

DEPARTMENT OF HEALTH
NEW BRUNSWICK.

FOURTH ANNUAL REPORT

OF THE

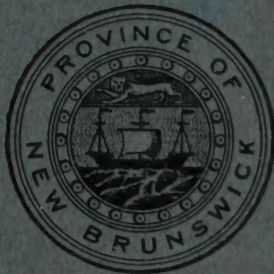
Chief Medical Officer

TO THE

MINISTER OF HEALTH

FOR THE YEAR ENDING OCTOBER 31,

1921



PRINTED FOR THE LEGISLATURE, 1922.

DEPARTMENT OF HEALTH
NEW BRUNSWICK.

FOURTH ANNUAL REPORT

OF THE

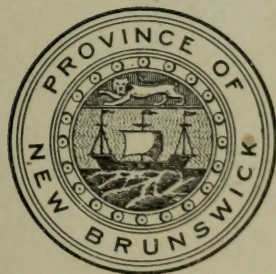
Chief Medical Officer

TO THE

MINISTER OF HEALTH

FOR THE YEAR ENDING OCTOBER 31,

1921



PRINTED FOR THE LEGISLATURE, 1922.

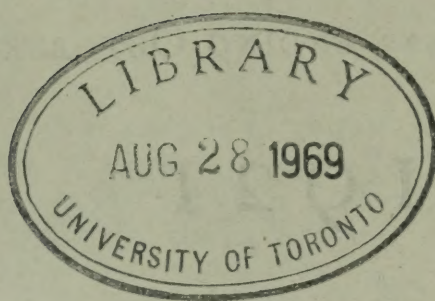
RA

185

N5B12

1920/21-1921/22

cop. 2



To His Honour

THE HONOURABLE WILLIAM PUGSLEY, D. C. L., P. C.

Lieutenant Governor of the Province of New Brunswick:

May it Please Your Honour:

I beg to submit the Fourth Annual Report of the Chief Medical Officer of the Province of New Brunswick for the year ending October 31st, 1921.

I have the honour to be, Sir,

Your obedient servant,

WILLIAM F. ROBERTS,

Minister of Health.

CONTENTS.

REPORT OF THE CHIEF MEDICAL OFFICER:

	PAGE
In General.....	7
Sanitation.....	9
Medical Inspection of Schools.....	11
Vital Statistics.....	13

APPENDICES:

I. Report of Chief of Laboratories.....	1
II. Reports of District Medical Health Officers:	
Eastern Health District (Dr. Desmond).....	11
Southern Health District (Dr. Warwick).....	12
Western Health District (Dr. Wade).....	14
Report of Director of Nurses.....	15
Report of Director of Venereal Clinics.....	16
III. Reports from Sub-Health Districts:	
Albert.....	21
Carleton.....	24
Charlotte.....	29
Fredericton.....	35
Gloucester.....	39
Kent.....	43
Kings.....	47
Madawaska.....	51
Northumberland.....	55
Queens.....	61
Restigouche.....	65
St. John City and County.....	69
Sunbury.....	75
Victoria.....	79
Westmorland.....	83
York.....	91

BUREAU OF HEATH.

The Hon. WM. F. ROBERTS, M.D., Chairman, St. John.

GEO. G. MELVIN, M.D., D. P. H., Chief Medical Officer, Fredericton.

H. L. ABRAMSON, M.D., Chief of Laboratories, St. John.

F. J. DESMOND, M.D., District Medical Health Officer, Eastern Health
District, Newcastle.

J. A. WADE, B.A., M.D., District Medical Health Officer, Western Health
District, Fredericton.

WM. WARWICK, M.D., D. P. H., District Medical Health Officer, Southern
Health District, Secretary, St. John.

FOURTH ANNUAL REPORT OF THE CHIEF MEDICAL OFFICER TO THE MINISTER OF HEALTH.

To the HON. WM. F. ROBERTS, M.D.,
Minister of Health.

SIR:

I beg to submit my Fourth Annual Report as Chief Medical Officer of this Province for the year ending October 31st, 1921.

Although nominally the fourth in number, this Report marks the completion of but three years of Health Administration under the present Act, as the first report covered only one month after the Act went into force.

The present report comprises (1) that portion submitted directly to you by myself; (2) reports to you through this office by the various members of the Bureau of Health, and two of our other staff officers. The latter includes the report of the Chief of Laboratories; the personal report of the three District Medical Health Officers; the report of the Supervisor of Nurses and the Secretary-Surgeon of the Venereal Clinics, and the Annual Reports from the various sub-district Boards of Health. These parts of the present report will be found in Appendices Nos. I, II and III.

Concerning the reports of the sub-district Boards, that of the County of Kent is for the first time included, the sub-district taking up the work, except of Medical School Inspection, on the first day of May, 1921. This report therefore covers only six months — May to October, inclusive.

In order to comply with your earnestly expressed wish, I have made every effort consistent with any degree of lucidity and completeness, to reduce the bulk of this report for the purpose of economy. To this end a number of the statistical tables have been consolidated, notably those referring to Notifiable Disease in the body of this report and to the like subject in the individual reports from the Boards. It will also be noted that the personal reports of the District Medical Health Officers and the Boards' Annual Reports are, in general, briefer than last year.

With respect to the Vital Statistics service I have felt that any narrowing of scope of information supplied last year would be very inexpedient, as these tables are not temporary in value and interest, but really increase in these qualities as they recede in time and, accordingly, that any class of information once submitted should be continued from year to year, as nearly as may be, in the same form and with the like fullness, for the purposes of comparison — for comparison, especially in statistics of this class, constitutes one of its chief purposes. Indeed, without means of comparison they are, in large measure, of little use.

The report of the Director of Laboratories (Appendix I) is worthy of note, especially as regards the desirability of permanent immunization against diphtheria in all institutions of the province housing children; the establishment of laboratory adjuncts to hospitals and, above all, the vital necessity of a chemical branch, especially in the Central Laboratory. Without this latter a Public Health Laboratory is decidedly one-sided and incomplete. I also commend to your favorable notice Doctor Abramson's remarks upon the need of properly equipping the additional rooms secured in the General Public Hospital building in St. John, irrespective of provision for chemical work.

The personal reports of the District Medical Health Officers (Appendix II) while brief, disclose the all-important nature of their work. Such importance cannot be overestimated. Upon them rests peculiarly, the field-work of the Department, and their activity measures in large degree, its usefulness. I am glad to be able to say that this activity has been strikingly manifested. In my last report I ventured to draw your attention to the excessive size of the Health Districts under their supervision, and to the practical impossibility consequent upon such extent of area of adequately covering it. A fourth Health District is urgently called for to include the three northern counties with headquarters at Campbellton, now our largest incorporated town.

To these reports is appended a preliminary note from Miss Meiklejohn, lately appointed Director of Public Health Nurses for the province. Miss Meiklejohn comes highly recommended to the service and is a lady of long experience and high qualifications, and with a notable degree of past success in her work. That she and her staff of nurses will effect valuable results, especially in the saving of infant life, is to be confidently expected. Following this note will be found a short report from the Director of the Venereal Disease Control Branch of the Department, Doctor McCarthy. It is not necessary to dwell upon the importance of the work in which he is engaged and which he supervises.

No part of this report is of more interest and downright value than that submitted by the individual sub-district Boards, (Appendix III). I can but repeat my remarks of last year, that "a perusal of these reports will reveal with what care and practical insight they are got up, and the genuinely effective work that has been carried out in all the sub-districts," and to add to this that the present reports unmistakably show a very considerable advance, both in quality and quantity of the work done during the year under review. I have no space to quote from them but I commend them to your earnest attention.

GENERAL SANITATION.

The Annual Reports of the sub-districts give many details regarding the abatement of ordinary nuisances and leave but little doubt that this necessary measure has received an attention more prompt and effective than last year. Although ordinary accumulations of rubbish, waste matter and what not have lost much of their former importance as potential causes of disease, except with regard to water-supply, yet I know nothing which, in popular estimation, redounds so much to the credit of a health administration as a diligent repression of them; and, on the other hand, no public health activities, no matter how usefully and strenuously applied in all else, will suffice to ward off opprobrium and contempt of the service if these ordinary nuisances are overlooked and neglected. As an example, the presence of the skull of a horse lying about the streets of a country village, unheeded by the sanitary inspector of the place, formed a principal reason for the refusal of the Municipal Council of the county concerned to vote the necessary funds for public health service in that county, if we are to believe the newspaper accounts of the incident.

The house-to-house inspection of premises in cities, towns and villages provided for by regulation 142, was far more diligently carried out in the year under review than in the former, when it was first made applicable generally. Yet in many instances in consequence of the very large areas assigned to the sanitary inspectors, combined with the meagre remuneration often accorded to such officers, it was found impossible, even this year, to have this regulation universally applied.

WATER-SUPPLY.— This continues to be one of the most engaging of our interests, both with respect to its intrinsic importance and to the difficulty experienced in safeguarding it. Although much has been presented to the public in every way respecting the danger of polluted water in the province, and the great toll it exacts in the production of both disease and death, yet it would seem that we have not yet succeeded in carrying conviction — at least conviction sufficient to result in appropriate action to many of the local authorities directly responsible for these water supplies. In some cases which I have examined I have found excellent catchment-areas, which in order to be entirely safe only require to be properly protected from incidental pollution. In others the source was essentially impure and, lacking the possibility of a new source, could only be rendered reasonably safe by chlorination. In one or two instances this has been done, but in others there seem to be an insuperable reluctance to put this measure into force. The unfortunate prejudice against financial support to public health work, so apparent in some counties, is a principal contributor to this inaction.

Perhaps no source of typhoid and intestinal disease with us is so prolific in evil as the presence of "dug" wells in towns and villages. To these may

be confidently ascribed two sharp outbreaks of typhoid during the past year in Carleton and Northumberland counties, outbreaks that caused not only measurable loss of life, but a large amount of sickness and expense. There can be no doubt that our infantile mortality, much too high, is largely indirectly occasioned by these wells.

NOTIFIABLE DISEASE. — Over most of North America the year has been notable for an increased incidence of diphtheria and typhoid. The latter has often been ascribed to the unusually dry summer, but I am of opinion that such cause has been much overestimated as to its evil effects. No very sound and convincing arguments can be adduced for it, unless the fact of failure of supply in accustomed places has forced resort to others of dubious nature.

Although these diseases have been so especially prevalent abroad, it is a matter of much satisfaction that a small, but still measurable reduction in number has been made concerning them in the period under review, as compared with last year.

Table No. I, presents in very condensed form the incidence of notifiable disease throughout the province, and exhibits this incidence in the province as a whole, in the cities, in the towns and in the rural parts. It is a consolidation of the annual sub-district reports so far as respects this phase of them. To it are appended the figures for last year in the way of totals of the several classes of communities mentioned in such a manner as to admit of ready comparison. This table is not put forward with any claim that it is exhaustive, but as these diseases were, beyond doubt, better reported this year than last, more especially typhoid, it affords a fairly correct view of the comparative prevalence of notifiable disease in the two years.

As regards individual diseases, diphtheria, scarlet fever, smallpox, typhoid and, perhaps, to a certain degree, measles, may be taken as fairly exhaustive as respects cases. The figures respecting tuberculosis, I regret to say, are without any significance at all and would be better omitted. This disease, although notifiable by regulation, as explicitly as any of the others, is almost totally ignored by practising physicians in this respect, except with some reservations with regard to St. John. In that city, improvement over former years is visible.

The death incidence shown by this table must not be taken as in any way complete, and I only include the figures for comparative purposes with last year, believing as I do, that such figures are, at least, as exhaustive as last year's. These figures, however, are largely understated as appears by a comparison of last year's with the regular vital statistics table of causes of death given further on in this report. This is in consequence of the omission by physicians to send in "terminal" notices of these cases to the secretary concerned, thus leaving the latter in doubt as to the result of the sickness. The table, however, with these general limitations, will be found instructive and as time goes on, like tables will become increasingly exhaustive.

MEDICAL SCHOOL INSPECTION.

This report deals with the second year of this service. As remarked last year, no public health activity presents such difficulties nor perhaps involves so great a direct expenditure as does this. Yet that these difficulties must be overcome and the cost met is the demand everywhere in view of what is possible to accomplish, and the outstanding importance of that accomplishment.

In this province during the term under review a very considerable advance has been made as compared with the year before. It will be noted by reference to Table II, that of the school children of New Brunswick, nearly 41,000 out of 50,232 enrolled, as compared with 22,145 and an enrollment of 35,386 for the last term of 1920, were examined. As the total enrollment of the province was some 65,000, and as the per cent. of average attendance was about 66, it will be seen that practically all pupils present at school were examined. This will be the more apparent when it is remembered that the County of Kent is not included in these figures and that thirty-five schools were found closed. It will be noted also, that Table II covers the entire year, and that instead of six tables being devoted to this subject as was the case last year, we are able to dispose of it this year with half that number. This is in consequence of the inspections in rural schools having been reduced from two to one, annually. In order further to economize space, in the matter of the urban schools, the reports of but one examination are given, the period chosen being, generally, the fall term ending in December.

Upon a close review the figures in Table II will be found not to be entirely consistent, one with another, nor is strict consistency in a subject of this nature to be expected, or, indeed, possible. The facts indicated are very largely matters of individual opinion and therefore depend upon the personality of the examiner. For example, a very great diversity will be observed in the returns concerning "Nutrition," a subject so prominently before the public to-day. The differences run all the way in variety from a total ignoring of the heading to such enormous estimates of malnutrition as to show a highly exaggerated standard as regards that condition in the mind of the examiner. Concerning nearly every other heading in the report of a merely opinionative nature a like remark would apply with more or less cogency.

The return (Table IV) respecting vaccination, is of interest. Although many thousands of school children were vaccinated the year before, yet the year under review saw the vaccination of comparatively large numbers, mostly of children attending school for the first time.

Concerning the individual reports the variety in value and completeness is almost as great as that already noted with respect to standards of health. Many of these reports are all that could be reasonably desired, and it is

proper to say that these did not emanate exclusively from the chief centres of population, nor were the latter centres exempt from indifferent reports. It is greatly to be regretted that a proportion of the reports exhibit a carelessness and seeming indifference to the welfare of the service which, it may be permitted to be hoped, does not really do justice to the work actually performed by the compilers of them.

With respect to the sanitary conditions attaching to the school premises, the reports upon which are not readily compilable, instructions from this office were sent to the District Medical Health Officers and the various sub-district Secretaries to see to it that the insanitary conditions mentioned were attended to by the trustees concerned. A list of these conditions, their nature, the location of school concerned, with the address of the school trustee secretary concerned, was compiled for the convenience of the officers of this Department referred to. A large number of replies have been received at this office, showing most of these conditions abated or removed, and a reference to the sub-district Annual Reports (Appendix III) will reveal the fact that this matter has been pretty thoroughly attended to.

Regarding the real end of this service, viz., the elimination of contagious disease in the schools and the correction of physical defects and deformities, I have reason to assume that the former has been very fairly carried out. Concerning the latter, not so much, I think, can be said. Very considerable has been done in this matter in St. John, and something in some other of the larger centres, but I quite agree with your own expressed opinion, that until definite and positive means be taken by this Department, or under its direct auspices and supervision, to offer accessible relief free of charge, in these instances, a great proportion of these defects will remain uncared for. In cities and large towns clinics for this purpose present no great difficulties in establishment and continuous maintenance, but in the rural areas, distant from these centres, assistance, to be effective must be, in a sense, brought to the doors of those concerned by means of temporary and travelling clinics. Such clinics have been made possible by the generosity of the Red Cross, at your instance, and will be installed at the same time as the improved medical inspection service. The installation of Inspectors wholly devoted to the service, as is contemplated during the next school year, will, without the smallest doubt, tend to place it upon a better and more effective footing so far as concerns most of its essential points. This improvement of administration will derive almost incalculable advantage from the two years' experience of the service already obtained, not only in its having been made familiar to the public thereby, but in having demonstrated to the people the practical benefits possible to be derived from it.

THE COLLECTION AND REGISTRATION OF VITAL STATISTICS.

This service in the year under review has fully maintained and improved the position of great promise it assumed in its initial year. Without undue elation it can be safely asserted that no province of Canada surpasses it in efficiency and completeness. As remarked last year no pretence can be made that every birth, marriage and death in the province are being reported; this fact has never yet been accomplished in any considerable country, state or province. But the fact that our birth and marriage rates are becoming the highest in Canada (outside of Quebec which does not report), and that, although there has been a falling off of the absolute number of births in Canada during 1921 and that this falling away has been most notable in every province but New Brunswick in rural communities, shows that our service in the latter places still maintains its efficiency.

It has been found impracticable to give accurate and exhaustive reports later than for the complete year of 1920. These reports, as explained last year, are, to a large degree, collated and compiled at Ottawa, and the figures for the year 1920 complete only reached this office in the month of writing (January, 1922). In order, however, to furnish figures a little more closely to date, I have appended a short and concise table of the number of births, marriages and deaths reported to this office by sub-districts during the first half of the calendar year 1921. This table must be taken as tentative and subject to correction, chiefly in the way of increase.

The population of the province in the middle of 1920, exclusive of Kent (not then organized), by simple progression, (which differs in this instance but slightly from compound) was 360,729, reckoned upon the finding of the Federal census of 1921 as reported in the press.

In 1920, there were reported and registered in the province (exclusive of Kent) 10,778 births, making a birth-rate of 29.87 per 1000 population; 3,780 marriages, rate 10.48 per 1000; and 5,628 deaths, rate 15.60.

The birth-rate may be regarded as distinctly high; the marriage-rate as somewhat in excess of what obtains elsewhere, while the death-rate cannot but be looked upon other than as higher than one could wish. Twenty years ago it would have been deemed very moderate, indeed, but public health measures have in that time so reduced mortality, wherever properly administered for a considerable number of years, that the rate mentioned must be deemed rather high. It will be the ambition of this Department to effect in this province a reduction comparable to that achieved in other states and provinces, as the years go by.

I greatly regret that so large a proportion of the deaths in the province are reported lacking specified cause. In this connection I can only quote from last year: "Such lapse is mostly due to the fact, that many deaths

occur at all ages, from infancy to senility, without medical attendance. In the case of early deaths this is the more regrettable as it is well known that no class so quickly and effectually responds to medical treatment as do the young. It also seems probable that many districts of the province are not supplied with available medical men, and also that a considerable remnant of the old-time opinion of the inevitability of death in many cases despite medical and surgical effort yet persists."

INFANT MORTALITY.—Perhaps chief among the causes of this rather high mortality of the province generally, is the decidedly high death-rate of infants under one year. It will be noted that out of every 1000 born in 1920, no less than 135 died. Here again, such a rate twenty or thirty years ago would not have called for marked attention, but the progress of public health administration just adverted to, makes this rate about one-third higher than is found in most American administrative units, and nearly twice as high as in some of them. The reduction of this rate, beyond question, constitutes, far and above all others, our most pressing work for, say, the next ten years.

This mortality is by no means equal throughout the province, and the communities which contribute most highly to it should be specially taken in hand, and rational and practical attention given them.

For economy's sake, adverted to at the outset of this report, I refrain from glancing at each table, individually, as was done last year, and for the same reason, with the exception noted above, many other tables available in this office, upon phases of great interest and importance connected with this service, are omitted. Thus, the tables accompanying this report are practically identical in subject with those referring to the first half of 1920, printed in my last annual report. For the information of those interested, however, I append the following list of tables in hand, but not published, and should anyone desire information contained in them, it will be cheerfully compiled and sent forward upon request addressed to this office:

- (1) Vital Statistics for Canada, by Provinces, 1920. General Summary.
- (2) Births, by Ages of Parents.
- (3) Births, by Occupations of Fathers.
- (4) Deaths of Children under one year from Specified Diseases.
- (5) Fredericton — Deaths by Age-Groups.
- (6) Moncton — Deaths by Age-Groups.
- (7) St. John — Deaths by Age-Groups.
- (8) Fredericton — Deaths, by Causes, Months, Sex and Ages.
- (9) Moncton — Deaths, by Causes, Months, Sex and Ages.
- (10) St. John — (the same but confused with the county).
- (11) Deaths by Occupations and Ages.

As respects St. John City and County, as noticed, also, last year, considerable confusion has existed in the Ottawa office. This is due in large measure to the rather peculiar official title of this sub-health district, viz., the County of the City and County of St. John. In consequence of this, births, marriages and deaths happening in Lancaster, for example have, in some instances at least, been attributed to the City of St. John. These lapses are so grave, because so apt to be misleading as respects rates, that I have been forced to consolidate the figures for the City and the various parishes (sub-deputy registration areas) so as to make the figures apply to the city and county as a unit. I have, I think, succeeded in clearing up this little tangle or misapprehension at the Statistical Bureau at Ottawa, so that in the future it may be hoped that due discrimination may be made between the city and the rural parts of the county. It would also appear by reason of comparison of numerical lists kept in this office with the Ottawa compilations, that other units in the province have been similarly confused. This is due, without doubt, to the identity in name of several towns of the province with the adjacent parish. Every effort will be made to get rid of these local misapplications in the compilations for 1921. Of course, these misapplications do not, in any way affect the totals for sub-districts.

FINANCES.

Under this heading I can but repeat my remarks of last year that "it is greatly to be regretted that in some instances the law was not carried out by municipal councils as respects financial support of the sub-district Boards concerned, and that the Government had to advance by loan the sums necessary in order that the duties entailed upon the Boards might be carried out."

PUBLICITY.

Much has been done in this line during the year, but if one is to judge from the action of the Councils just referred to, much remains to be done in the way of disseminating rational knowledge concerning the usefulness of public health service in the communities represented by these Councils.

In April a "Health Week" was instituted. Many prominent in health work from outside the province gave addresses to well-attended meetings in nearly every important centre of the province. In every school in the province, each day, during the week, the subject of public health was placed before the pupils in as concise, simple and attractive way as possible: the subject was taken up in the churches during the Sunday of that week. Nearly every newspaper in the province contained daily, short, pithy paragraphs concerning the importance of public health in one or another of its many phases, and a genuine interest was stirred up and manifested in this matter throughout the province.

Again, as during the year before, a public health section was maintained at the St. John Exhibition, and, considering that it necessarily lacked the novelty of the preceding year, was a pronounced success. Numerous notices, articles, addresses and news items concerning the service have been contributed to the press during the period under review, and late in the year, as already noted, a lady has been engaged, part of whose duty it will be to pursue publicity in every proper way. In October, the last month of the period under review, we began the issue from this office of a small monthly periodical, happily named *Prevention*. Its present circulation is close to 2500 copies, and it has been very favorably noticed by many outside health authorities as well as by others in receipt of it within the province.

THE DEPARTMENTAL OFFICE.

The same staff as last year conducts the work which, as may be inferred from what has gone before, is increasing far out of proportion to the potential ability of the present hands to maintain it. That concerned with vital statistics alone occupies fully one-half of the available time, and the occurrence of a wide-spread epidemic or other unusual happening would go far to produce such a congestion in this office as to gravely compromise its efficiency.

The service of Normal School instruction in public health and cognate subjects proceeds with regularity. Last spring a class numbering over 200 passed creditably on the subjects concerned. The current year (1922) promises one fully one-third larger.

LEGISLATION.

At the last session of the Legislature an amendment was made to the Public Health Act, making it obligatory upon Municipal Councils to vote the amounts deemed necessary by the sub-district Boards concerned to carry on the work during the year ensuing.

This, it is to be hoped, will do much to prevent the embarrassment to the service, hitherto encountered by reason of lack of funds of Boards in defaulting counties.

Regulations respecting plumbing, camps, hotels, the examination and licensing of plumbers are ready for your approval and adoption by the Executive Council.

RECOMMENDATIONS.

As noted already, both in this report and that of last year, the health districts as at present constituted are much too large for anything like proper supervision. A fourth District Medical Health Officer is urgently

needed, if public health measures, outside the control of communicable disease, are to be adequately carried on.

In order to give the various Municipal Councils a more complete control over the expenditure of the moneys voted by them for health purposes, I respectfully recommend that four, instead of three members of the sub-district Boards be their appointees, and that the governmental appointees upon each Board be reduced from two to one, exclusive of the District Medical Health Officer. In order, also, to provide that cities and towns of considerable size in the sub-health districts shall have an added interest in health matters, I recommend in like manner, that each of the city or town councils concerned shall appoint one or two members to the Board of the sub-district in which such city or town is situated.

I thank you for the many courtesies extended and beg to submit this report,

Most respectfully,

GEO. G. MELVIN,
Chief Medical Officer.

TABLE I.

§ CASES OF AND DEATHS FROM NOTIFIABLE DISEASES, WITH RATES, BY PROVINCE, SUB-DISTRICTS,
CITIES AND TOWNS — NEW BRUNSWICK — YEAR 1920-21

DIVISIONS	Diphtheria				Scarlet Fever				Typhoid				Measles				Smallpox				Tuberculosis §				Influenza				Other Notifiable Diseases				Totals			
	C	D	Per Cent. Deaths to Cases	Rate per 100,000 Population	C	D	Per Cent. Deaths to Cases	Rate per 100,000 Population	C	D	Per Cent. Deaths to Cases	Rate per 100,000 Population	C	D	Per Cent. Deaths to Cases	Rate per 100,000 Population	C	D	Per Cent. Deaths to Cases	Rate per 100,000 Population	C	D	Per Cent. Deaths to Cases	Rate per 100,000 Population	C	D	Per Cent. Deaths to Cases	Rate per 100,000 Population	C	D	Per Cent. Deaths to Cases	Rate per 100,000 Population				
N. B.— { 1920-21 1919-20	443 469	41 39	9.2 8.31	10.5 10.8	342 563	11 5	1.7 0.88	1.54 1.38	385 421	33 26	8.57 6.70	8.48 7.20	996 257	18 8	1.80 3.11	4.62 2.21	118 485	2 0.41	0.55	160 157	88 76	55.0 48.4	22.61 21.05	23 1459	1 50	4.34 3.42	0.25 13.75	88 70	4 7	4.54 10.0	1.02 1.93	2552 3881	191 213	7.48 5.48	49.08 59.0	
Albert.....	4	2	50.0	23.2	2	.....	.....	.....	2	.....	.....	.....	1	.....	.....	.....	1	100.0	11.6	1	.....	.....	.....	.....	2	.....	.....	.....	13	3	23.0	34.8			
Carleton.....	17	.....	.....	.....	34	7	20.6	33.1	4	.....	.....	.....	110	.....	.....	.....	27	.....	.....	.....	.....	.....	.....	.....	6	.....	.....	.....	202	7	9.7	33.1			
Charlotte.....	10	1	10.0	4.7	39	.....	.....	.....	19	1	5.2	12.3	81	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11	.....	.....	.....	135	2	1.4	24.8			
Fredericton.....	20	1	5.0	12.3	4	.....	.....	.....	19	5	26.3	13.0	31	7	22.6	18.1	27	.....	.....	.....	2	2	100.0	5.2	2	.....	.....	.....	12	16	12.8	41.3			
Gloucester.....	31	2	6.4	5.2	1	.....	.....	.....	29	1	3.4	4.1	.....	.....	.....	.....	.....	.....	.....	.....	7	3	42.8	12.4	.....	.....	.....	.....	45	8	17.7	33.4			
Kent *.....	7	4	57.0	16.6	2	.....	.....	.....	6	.....	.....	.....	14	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	64	2	3.1	9.8			
Kings.....	22	2	9.1	9.8	19	.....	.....	.....	12	.....	.....	.....	.....	.....	.....	.....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	.....	.....	.....
Madawaska.....	5	.....	.....	.....	30	1	3.3	2.9	44	9	20.4	20.5	34	3	8.8	8.8	5	.....	.....	.....	28	28	100.0	81.2	1	1	100.0	2.9	4	.....	203	47	23.1	138.3	
Northumberland.....	57	5	8.8	14.8	30	1	3.3	2.9	44	9	20.4	20.5	34	3	8.8	8.8	5	.....	.....	.....	5	3	60.0	25.5	.....	.....	.....	.....	90	4	4.4	34.2			
Queens.....	.....	.....	.....	.....	14	1	7.1	8.5	10	.....	.....	.....	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	141	1	0.7	4.4	
Hastigouche †.....	22	.....	.....	.....	35	.....	.....	.....	.....	.....	.....	.....	52	.....	.....	.....	26	.....	.....	.....	5	1	20.0	4.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. John (City and County).....	178	11	6.2	18.2	131	8	2.3	4.9	105	9	8.5	14.8	273	5	1.8	8.2	.....	.....	.....	99	40	40.4	65.6	.....	.....	.....	.....	32	4	12.5	6.5	818	72	8.8	118.8
Sunbury.....	3	1	33.3	16.4	.....	.....	.....	.....	3	.....	.....	.....	55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17	.....	.....	.....	80	1	1.2	16.2			
Victoria.....	2	.....	.....	.....	6	.....	.....	.....	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26	.....	.....	.....
Westmorland.....	35	10	28.5	18.8	54	1	1.8	1.8	29	1	3.4	1.8	263	3	1.1	5.6	9	.....	.....	.....	10	10	100.0	18.8	.....	.....	.....	.....	13	.....	413	25	6.05	46.8	
York.....	22	2	9.1	6.2	21	.....	.....	.....	11	.....	.....	.....	26	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	9	2	2.2	6.2			
Cities.— { 1920-21 1919-20	201 225	15 17	7.4 7.55	20.6 23.7	155 335	3 3	1.2 0.89	4.1 4.2	122 44	10 3	8.2 6.82	13.7 4.2	653 192	6 8	0.9 4.16	8.2 11.1	95 108	42 48	44.4 44.4	57.4 66.6	40 23	4 6	10.0 26.1	5.6 8.4	886 1211	80 101	9.0 8.34	109.0 141.1
Fredericton.....	20	1	5.0	12.5	4	.....	.....	.....	19	1	5.2	12.5	81	.....	.....	.....	.....	.....	.....	.....	7	7	100.0	39.9	.....	.....	.....	.....	11	.....	135	2	1.4	24.2	
Moncton.....	17	4	23.5	22.9	28	.....	.....	.....	10	.....	.....	.....	44	1	2.2	5.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	106	12	11.3	68.7		
St. John.....	164	10	6.1	21.2	123	3	2.4	6.3	93	9	9.7	18.9	128	5	3.8	10.6	.....	.....	.....	.....	88	35	40.0	74.2	.....	.....	.....	.....	29	4	14.0	8.4			
Towns.— { 1920-21 1919-20	77 64	4 3	5.2 4.68	8.4 6.4	57 80	1 1	1.25 2.1	84 103	11 5	13.1 4.85	23.3 10.8	319 14	3	0.9	6.3	10 17	15 12	12 7	80.0 58.3	25.2 15.1	4 70	1 10	25.0 10.0	2.1 14.7	22 5	3 2	13.6 40.0	6.3 4.2	488 367	34 25	7.0 6.81	72.3 53.9
Bathurst.....	7	.....	.....	.....	.....	.....	.....	.....	11	3	27.2	90.9	5	1	20.0	30.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23	4	17.4	120.4	
Campbellton.....	7	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	17	.....	.....	.....
Chatham.....	15	4	31	5	16.1	111.1	1	1	100.0	22.2	1	6	6	100.0	133.2	2	2	100.0	44.4	60	14	23.3	310.7
Dalhousie.....	7	1	14.3	51.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	1	14.3	51.0		
Devon.....	2	.....	.....	.....	6	.....	.....	.....	2	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17	.....	.....	.....
Edmundston.....	1	.....	.....	.....	.....	.....	.....	.....	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11	.....	.....	.....
Grand Falls.....	1	.....	.....	.....	.....	.....	.....	.....	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	.....	.....	.....
Hartland.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....
Marysville.....	12	.....	.....	.....	2	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	.....	.....	.....
Milton.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newcastle.....	5	1	20.0	28.6	2	4	1	25.0	28.6	3	3	3	100.0	85.8	1	1	100.0	28.6	1	1	100.0	28.6	19	7	36.8	199.2
St. Andrews.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. George.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14	.....	.....	.....
St. Stephen.....	3	.....	.....	.....	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sackville †.....	.....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	107	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shediac.....	5	1	20.0	50.7	7	1	14.3	50.7	98	1	1.02	50.7	1	1	100.0	50.7	126
Sunny Brae.....	1	2	2	2	100.0	153.8
Sussex.....	6	1	16.6	45.4	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woodstock.....	2	.....	.....	.....	1	.....	.....	.....	2	1	50.0	29.6	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

* Six months only — May to October — unorganized last year.

† Records defective. Secretary since replaced.

‡ Not listed last year.

§ See remarks in text of report.

* See Annual Report for St. John.

TABLE 2.

TABLE II.—MEDICAL INSPECTION OF SCHOOLS, PROVINCE OF NEW BRUNSWICK.
ANNUAL REPORT FOR SCHOOL YEAR ENDING JUNE 30TH, 1921

SUB-HEALTH DISTRICT AND MEDICAL INSPECTOR.	AREA.	No. of Rooms	No. Pupils Enrolled	No. Pupils Examined	No. Pupils Normal	No. Pupils Not Vaccinated	No. Anemic	NUTRITION			ENLARGED GLANDS			Defective Breathing (Nasal)		EYE DEFECTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
								Bad	Fair	Good	Tonsils	Thyroid	Other Glands	No. Tuberculous	Adenoids	Other Obstructions	Pediculosis	Scabies	Impetigo	Ringworm	Vision	Strabismus	Conjunctivitis	Blepharitis	Cardiac Defect	Pulmonary Defect	Spinal Defect	Chest Defect (Anatomical)	Defect of Extremities	Defect of Hearing	Defect of Speech	Mental Defects (See Res. 191)	Dental Defects	Parents Present	Notices Sent																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Albert.—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									</

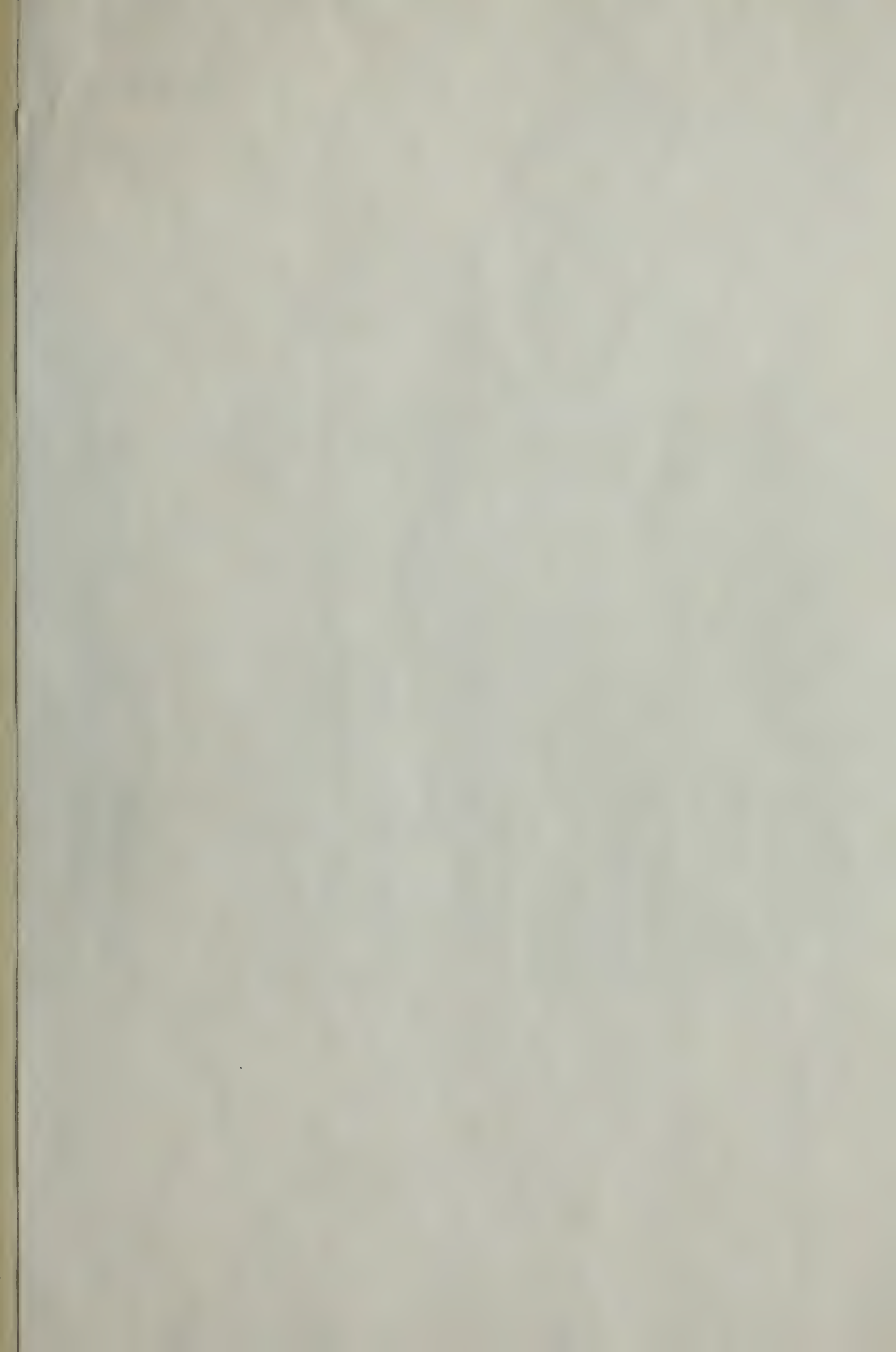


TABLE 2.—Continued.

TABLE II.—MEDICAL INSPECTION OF SCHOOLS, PROVINCE OF NEW BRUNSWICK—Continued
ANNUAL REPORT FOR SCHOOL YEAR ENDING JUNE 30TH, 1921.

SUB-HEALTH DISTRICT AND MEDICAL INSPECTOR	AREA.	No. of Rooms	No. Pupils Enrolled	No. Pupils Examined	No. Pupils Normal	No. Pupils Not Vaccinated	No. Aseptic	NUTRITION			ENLARGED GLANDS			Defective Breathing (Nasal)	Other Obstructions	Pediculosis	Scabies	Impetigo	Ringworm	EYE DEFECTS					Cardiac Defect	Pulmonary Defect	Spinal Defect	Chest Defect (Anatomical)	Defect of Extremities	Defect of Hearing	Defect of Speech (See Reg. 19)	Mental Defects	Dental Defects	Parents Present	Not Sent	
								Bad	Fair	Good	Tonsils	Thyroid	Other Glands							Vision	Strabismus	Conjunctivitis	Blepharitis													
St. John (City & County)—																																				
Dr. M. L. Hanington	St. John City	191	7804	7797			242	94			461	2	2	62		1324	23	6	3	156	4	6	5	23	7	1		93	45		118	237	355			
Dr. O. Comeau	Lancaster and Musquash (20)	27	989	974	847			2		301	94			32			7	3		1	1			1				2			36					
Dr. H. E. Gillmor	St. Martins (21)	14	191	149	145	5				127	2			1	2		2		8	2	1	1			2		1	1	1		7					
Dr. J. R. Nugent	Simonds (22)	15	422	357	199	94	16		45	267	23		2	3	19	15		1	4	26	1		8		3	1	7	7	2	1	92	1				
Sunbury.—																																				
Dr. G. W. Bailey	Lincoln, Gladstone, Blissville, Burton (rear) (23)	19	410	347	72	6	2				108							2		5	1		3										252			
Dr. P. T. Kierstead	Sheffield, Maugeville, Northfield, Burton (front) (24)	17	397	277	258	9				277	7		7				3			1	1															
Victoria.—																																				
Dr. L. Chapman	Grand Falls, Town and Parish	18	578	367	299	51			154	211	26		2	5		11		2											1	1	1	17				
Dr. J. D. Coffin	Gordon, Lorne	17	430	299	228	122	4	3	5	291	47	3		24	1		2	1						1					6		2	20		1		
Dr. R. W. L. Earle	Perth	18	319	224	129	41	3		3	219	73					4				3	2	1										1	9			
Dr. C. Guy	Drummond	8	214	144	108	5	1	1		83	33									1												1	50			
Dr. A. F. MacIntosh	Andover	13	255	206	86	10			6	200	34						4	1		28	1	1								2	1	1	88			
Westmorland.—																																				
Dr. H. C. B. Allen	Westmorland Parish (25)	13	334	235	73	19	43		15	220	47			9			2		2	1												1	83			
Dr. H. B. Barnhill	Botsford (26)	21	690	675	653	14				19				2																						
Dr. L. N. Bourque	Sunny Brae	5	241	241						241	20			20			4	2		4	6	1										2		60		
Dr. L. N. Bourque	Moncton Parish (part) (27)	10	323	229		22								5																						
Dr. H. H. Coleman	Moncton City (part) (28)	44	1876	942			7		7	885	310		5						10	92									11	15	11	3	647			
Dr. F. A. Richard	Moncton City (part)	29	1289	1193			2		1	1192	81			81					23	29										7	6	17	220			
Dr. C. E. Gaudet	Dorchester (29)	33	1028	745	557	337	7	10	73	601	97			158	5		12	7	1	1	4	3								1	1	412		2		
Dr. C. L. Gass	Sackville	26	887	771	116	69	17	11	252	508	338		58		2	3		8		13	5		32							1	7	8		124		
Dr. H. A. Jones	Moncton Parish (part)	13	383	268		18	3	3		89				62																			198			
Dr. C. A. King	Salisbury (30)	24	607	480	432	153	33			437	48			40						1	1											422				
Dr. M. A. Oulton	Shediac High	9	92	69	75	5				75	1			1																				1		
Dr. A. Sormany	Shediac, Town and Parish, (31)	16	580	408	340	41	1	4	7	266	83	1	3	25						51	3	1	1						1	5		4	32			
York.—																																				
Dr. B. H. Dougan	Manners-Sutton (32)	13	186	186	124	8	3	2	4	180	15			15						1	3	1							2	1	2	2	57			
Dr. A. E. Gardiner	McAdam	7	323	287	117	17	22	4	21	262	43	2	2	3	33	1	5	2	9		18				1	4	3			3	5	1	2	105		
Dr. M. L. Jewett	Southampton (33)	16	329	283	167	57	4		8	54	43		1	1	5					6																
Dr. W. A. McKenzie	Prince William and Queensbury (34)	14	247	186	150	27			3	183	20																									
Dr. D. R. Moore	Stanley (35)	23	514	98	31	5			13	67	37		15	1																						
Dr. B. M. Mullin	St. Mary's, Marysville, Devon, Maryland (36)	49	1751	1483	1223	268	23	5	433	1043	125			51					14			7														
Dr. O. E. Morehouse	Bright (part) and Douglas (37)	11	410	359	359																															
Dr. J. G. Owens	Dumfries, Canterbury (front) (38)	7	185	123	80	40			20	60	30			15																						
Dr. B. W. Robertson	Bright (part) and Kingsclear	17	348	257	35	53	13	1		256	102			73																						
Dr. W. L. Turner	Canterbury (part)	17	305	284	268	7	5	6	278	10		6		54						4																
Totals		1656	50232	40960	18325	4104	857	333	3310	17982	5210	25	255	34	2027	42	1540	179	285	43	993	111	42	130	64	42	66	15	162	210	110	183	8305	367		

NOTES.

(1) Standard set by this inspector would seem to be excessively high.

(2) Three schools closed.

(3) No vaccine. Vaccinated afterward.

(4) Five schools closed.

(5) "Practically all children have dental defects."

(6) "No contagious disease. Principal defects dental." One school closed.

(7) One school closed.

(8) Inspector follows up notices of defect when notified by teacher. One school closed. Four pupils excluded upon refusing vaccination.

(9) Report not very complete.

(10) Report inadequate.

(11) "Victorian nurse acts as school nurse."

(12) Addressed Consolidated School on Health matters.

(13) Fifteen schools closed. Report somewhat inadequate.

(14) Report inadequate. Two schools closed.

(15) Two schools closed and three not examined because of accident to inspector. Excellent detailed supplementary report.

(16) Two schools closed.

(17) "Only a few notifications of defects, etc., attended to by parents."

(18) Two schools closed.

(19) One school closed.

(20) Three schools closed.

(21) Two schools closed.

(22) Two schools closed.

(23) Six schools closed.

(24) Four schools closed.

(25) One school closed. Teacher ill.

(26) Report appears inadequate.

(27) "On account of measles, could not vaccinate all, as a large number were absent from school."

(28) "Examined"—estimated figures.

(29) "Three refused vaccination."

(30) Four schools closed.

(31) One school closed.

(32) Two schools closed.

(33) One school closed.

(34) Four schools closed.

(35) Three schools closed.

(36) "Notable improvement in school premises."

(37) Report inadequate, apparently.

(38) One school not open.

TABLE 3.

TABLE III.
RECAPITULATION: MEDICAL SCHOOL INSPECTION REPORT BY COUNTIES, FOR SCHOOL YEAR ENDING JUNE, 1921.

NAME OF SCHOOL.	No. of Rooms	No. Pupils Enrolled	No. Pupils Examined	No. Pupils Normal	No. Pupils Not Vaccinated	NUTRITION			ENLARGED GLANDS			Defective Breathing (Nasal)			EYE DEFECTS							Cardiac Defect	Pulmonary Defect	Spinal Defect	Chest Defect (Anatomical)	Defect of Extremities	Defect of Hearing	Defect of Speech	Mental Defects (See Reg. 191)	Dental Defects	Parents Present	Notice Sent			
						No. Anemic	Bad	Fair	Good	Tonsils	Thyroid	Other Glands	No. Tuberculous	Adenoids	Other Obstructions	Pediculosis	Scabies	Impetigo	Ringworm	Vision	Strabismus												Conjunctivitis	Blepharitis	
Albert.....	80	1474	1147	682	217	177	53	202	719	144	.....	73	2	156	9	9	.....	3	3	92	4	4	2	3	2	46	6	8	38	4	3	319	.....	.....	.....
Carleton.....	136	3458	2290	1267	560	8	3	320	1169	647	4	3	1	228	8	.....	14	7	1	19	6	2	6	1	.....	1	1	11	4	12	3	688	.....	.....	.....
Charlotte.....	150	3521	3188	2780	150	36	18	135	2891	210	2	.....	.....	54	.....	6	9	14	5	62	9	4	4	10	8	4	.....	5	2	14	6	276	.....	.....	.....
Fredericton.....	36	1616	1616	1297	0	4	2	.....	.....	80	1	5	.....	65	.....	.....	1	1	1	12	.....	.....	.....	.....	.....	.....	.....	1	2	5	.....	233	.....	.....	.....
Gloucester.....	95	3522	2759	1194	309	5	.....	924	.....	432	.....	.....	1	16	.....	6	4	16	3	26	12	3	6	.....	.....	.....	.....	.....	.....	.....	627	.....	.....	.....
*Kent.....	108	2898	2472	1105	159	54	5	148	1103	92	2	8	.....	27	2	2	3	17	.....	52	9	11	.....	1	.....	1	.....	4	10	14	4	646	.....	.....	.....
Kings.....	65	2241	1457	181	454	.....	.....	25	232	154	.....	.....	.....	108	.....	64	47	61	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	197	.....	.....
Madawaska.....	61	2039	1668	549	142	47	37	106	590	518	2	4	1	254	2	.....	1	8	3	40	11	8	37	2	.....	.....	.....	2	12	8	3	286	.....	.....	.....
Northumberland.....	81	1659	1326	516	231	34	8	29	681	155	4	62	2	67	11	5	35	33	.....	82	3	.....	1	1	.....	3	2	4	12	4	6	291	.....	.....	.....
Queens.....	69	2818	2094	1554	357	41	63	175	1813	305	1	3	3	109	6	59	6	29	12	73	17	9	7	11	22	3	1	4	11	2	1	1093	.....	.....	.....
Restigouche.....	247	9406	9277	1191	99	258	94	47	695	583	2	4	4	115	.....	1341	30	18	7	185	7	7	13	24	7	7	1	103	53	6	119	352	.....	.....	.....
St. John (City and County).....	36	807	624	330	15	2	.....	.....	277	115	.....	.....	7	.....	.....	.....	3	2	.....	.....	9	1	1	3	.....	.....	.....	.....	.....	.....	.....	252	.....	.....	.....
Sunbury.....	74	1796	1240	850	229	8	4	168	1004	213	3	2	.....	173	1	15	6	4	.....	51	6	2	.....	1	.....	.....	.....	.....	9	2	6	184	.....	.....	.....
Victoria.....	243	8349	6256	2266	698	113	28	355	4425	1137	1	67	1	408	2	23	13	45	7	197	15	1	33	.....	.....	.....	.....	14	35	29	25	2199	.....	.....	.....
Westmorland.....	177	4628	3546	2563	482	70	18	676	2383	425	3	24	4	47	1	10	7	27	1	45	10	.....	1	10	3	1	.....	11	22	.....	6	662	.....	.....	.....
York.....																																			
Totals.....	1656	50232	40960	18325	4104	857	333	3310	17982	5210	25	255	34	2027	42	1540	179	285	43	993	111	42	130	64	42	66	15	162	210	110	182	8305	.....	.....	.....

* Not organized for this service.

TABLE 4

TABLE IV.
MEDICAL INSPECTION OF SCHOOLS.
ANNUAL VACCINATION REPORT.
Year Ending June 30, 1921.

SUB-DISTRICT	No. Free Vaccina- tions	No. Private Vaccina- tions	Total Free and Private	Prior to this Year	Total
Albert.....	182	15	197	1153	1350
Carleton.....	734	855	1589	1626	3215
Charlotte.....	648	386	1034	2438	3472
Fredericton.....	71	151	222	1091	1313
Gloucester.....	1024	44	1068	2047	3115
Kent (1).....					
Kings.....	562	32	594	2031	2625
Madawaska.....	365		365	905	1270
Northumberland (2).....	317	27	344	1431	1775
Queens.....	174	62	236	961	1197
Restigouche.....	297	61	358	1258	1616
St. John (City and County).....	551	1113	1664	7629	9293
Sunbury.....	126		126	332	458
Victoria.....	385	3	388	1075	1463
Westmorland.....	1159	56	1215	4096	5311
York.....	438	160	598	3115	3713
Totals.....	7033	2965	9998	31188	41186

(1) Not organized for medical school inspection.

(2) One hundred and nineteen of total were vaccinated in 1919, but not reported owing to death of inspector.

TABLE 5.

TABLE V.

BIRTHS BY PROVINCE, CITIES, TOWNS AND RURAL SECTIONS, WITH RATES.
YEAR 1920.

PROVINCE AND DIVISIONS	MONTHS												Totals	Rate per 1000
	January	February	March	April	May	June	July	August	September	October	November	December		
NEW BRUNSWICK.....	928	898	1076	1008	1005	954	947	806	844	769	711	832	10778	29.87
CITIES.....	205	206	224	222	212	199	229	200	153	184	187	198	2419	28.57
Fredericton.....	20	15	15	27	28	18	20	23	14	17	13	17	227	28.28
Moncton.....	51	50	49	37	63	51	67	56	32	57	60	53	626	37.17
St. John (City and County) (1).....	134	141	160	158	121	130	142	121	107	110	114	128	1566	26.18
TOWNS.....	122	101	167	112	163	66	134	113	135	120	89	102	1424	30.73
Bathurst.....	10	9	15	7	5	4	7	4	3	7	2	3	76	24.6
Campbellton.....	14	16	21	19	33	2	24	15	27	22	15	22	230	43.0
Chatham.....	16	15	18	14	20	16	24	13	23	13	15	14	201	44.4
Dalhousie.....	5	4	6	2	2		1	5	4	2	2	1	34	16.3
Devon (2).....	6	2	4	7	3	1	7	3	5	1		1	40	24.2
Edmundston.....	14	5	40	13	22	12	19	24	21	18	17	11	216	56.6
Grand Falls.....	5		8	1	6	2	3	3	2	3	3	2	38	28.7
Hartland (2).....	1	2	1		2	2		3		3	4	3	21	23.3
Marysville.....	7	4	3	2	8		2	2		5	5	4	42	25.6
Milltown.....	3	4		5	2		5	3	2	3	3	1	31	15.8
Newcastle.....	9	13	7	6	6	9	3	6	13	8	3	9	92	26.6
St. Andrews.....	2	3		1	4		1	1	3		1	3	19	17.9
St. George.....	1		1	3	3	1		1	3		2	2	17	15.4
St. Stephen.....	7	4	19	14	15	4	14	14	13	19	2	10	135	39.7
Sackville.....	6	4	6	8	8	4	10	2	5	6	6	4	69	31.9
Shediac.....	7	7	5			3	2	2	5	3		3	37	19.2
Sunny Brae (2).....	3		1		8	2	1	4	1		3	3	26	20.0
Sussex.....	3	1	7	4	5	1	1	3		4	2	4	35	16.1
Woodstock.....	3	8	5	6	11	3	10	5	5	3	4	2	65	18.7
COUNTIES.....	601	591	685	674	630	689	584	493	556	465	435	532	6935	30.07
Albert.....	21	16	14	17	19	24	23	10	10	14	18	16	202	23.2
Carleton.....	33	39	45	54	38	36	44	33	29	29	20	35	435	25.3
Charlotte.....	27	34	41	9	27	40	25	20	20	11	15	21	290	20.8
Gloucester.....	129	120	141	128	112	144	108	100	96	83	71	98	1330	37.9
Kings.....	35	30	38	26	37	32	27	28	39	34	25	28	379	20.7
Madawaska.....	62	68	76	78	67	76	71	48	65	51	38	60	760	46.2
Northumberland.....	70	70	63	80	85	54	70	42	66	46	47	59	752	21.4
Queens.....	25	26	20	32	21	18	14	30	22	20	24	25	277	23.8
Restigouche.....	34	34	51	47	43	80	38	27	43	48	53	54	552	37.7
Sunbury.....	16	18	23	16	12	11	10	19	5	12	6	12	160	25.9
Victoria.....	42	29	34	35	40	31	22	34	29	15	22	26	369	29.1
Westmorland.....	62	61	77	103	76	84	69	58	75	65	49	57	836	27.2
York.....	45	46	62	49	53	59	53	44	57	37	47	41	593	28.4

(1) Consolidated — see text of report.

(2) Population estimated.

TABLE 6.

TABLE VI.
LEGITIMACY OF BIRTHS.
NEW BRUNSWICK, 1920.

PROVINCE AND DIVISIONS	Total Births			Legitimate			Illegitimate			Per Cent. Illegiti- mate
	Male	Female	Total	Male	Female	Total	Male	Female	Total	
New Brunswick.....	5578	5200	10778	5449	5095	10554	129	105	234	2.17
Cities.....	1283	1136	2419	1234	1094	2328	49	42	91	3.7
Fredericton.....	130	97	227	127	95	222	3	2	5	2.2
Moncton.....	340	286	626	337	284	621	3	2	5	0.8
St. John (City and County) .	813	753	1566	770	715	1485	43	38	81	5.1
Towns.....	704	720	1424	681	704	1385	23	16	39	2.8
Bathurst.....	44	32	76	43	32	75	1		1	1.3
Campbellton.....	114	116	230	112	111	223	2	5	7	3.0
Chatham.....	89	112	201	85	111	196	4	1	5	2.4
Dalhousie.....	15	19	34	15	18	33		1	1	2.9
Devon.....	18	22	40	18	21	39		1	1	2.5
Edmundston.....	113	103	216	109	103	212	4		4	1.8
Grand Falls.....	16	22	38	15	22	37	1		1	2.6
Hartland.....	9	12	21	9	11	20		1	1	4.9
Marysville.....	20	22	42	19	21	40	1	1	2	4.7
Milltown.....	12	19	31	9	18	27	3	1	4	12.9
Newcastle.....	58	34	92	54	34	88	4		4	4.3
St. Andrews.....	8	11	19	8	11	19				
St. George.....	13	4	17	13	4	17				
St. Stephen.....	60	75	135	60	74	134		1	1	0.7
Sackville.....	31	38	69	29	36	65	2	2	4	5.7
Shediac.....	17	20	37	17	20	37				
Sunny Brae.....	16	10	26	16	9	25		1	1	3.9
Sussex.....	20	15	35	19	14	33	1	1	2	5.7
Woodstock.....	31	34	65	31	34	65				
Counties.....	3591	2344	6935	3535	3297	6831	57	47	104	1.5
Albert.....	114	88	202	111	86	197	3	2	5	2.4
Carleton.....	220	215	435	218	213	431	2	2	4	0.9
Charlotte.....	160	130	290	157	127	284	3	3	6	2.0
Gloucester.....	677	653	1330	670	649	1319	7	4	11	0.8
Kent (1).....										
Kings.....	193	186	379	193	186	379				
Madawaska.....	399	361	760	392	356	748	7	5	12	1.5
Northumberland.....	394	358	752	385	351	736	9	7	16	2.1
Queens.....	148	129	277	144	127	271	4	2	6	2.1
Restigouche.....	285	267	552	279	258	537	6	9	15	2.7
Sunbury.....	78	82	160	77	81	158	1	1	2	1.2
Victoria.....	191	178	369	185	174	359	6	4	10	2.7
Westmorland.....	432	404	836	429	398	827	3	6	9	1.1
York.....	300	293	593	294	291	585	6	2	8	1.3

(1) Not organized in 1920.

TABLE 7.

TABLE VII.
MARRIAGES
BY MONTHS AND YEARLY RATES
NEW BRUNSWICK, 1920.

PROVINCE AND DIVISIONS	MONTHS														Rate per 1000
	Total	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
New Brunswick.....	3780	235	180	172	340	238	523	341	297	482	384	331	257	10.4	
Cities.....	1323	86	60	81	133	80	195	88	97	168	133	92	101	15.6	
Fredericton.....	176	11	8	11	20	11	20	16	18	25	15	4	17	22.0	
Moncton.....	323	18	12	18	29	27	40	19	35	44	37	22	22	19.2	
St. John (City and County).....	824	57	49	52	84	42	135	53	44	99	81	66	62	13.7	
Towns	901	52	39	46	83	64	107	87	74	110	92	97	70	19.4	
Bathurst.....	59	2	3		5	3	10	9	4	8	7	6	2	19.0	
Campbellton.....	70	1	4	2	7	3	6	10	6	13	1	9	8	13.0	
Chatham.....	46	5	1	2	2	1	2	3	9	10	4	6	1	10.2	
Dalhousie.....	25	1			1	4	3	2	2		5	6	1	11.9	
Devon.....	34	2	4		4	3	2	3	5	3	4	3		20.6	
Edmundston.....	42	2	4			4	7	2	4	7	4	8	2	11.1	
Grand Falls.....	28	1			2	2	1	3		4	8	5	2	21.2	
Hartland.....	12			3	3	1	2		1	1			1	13.3	
Marysville.....	10		1			1	1	3	1			2	1	6.1	
Milltown.....	22	2	4	2	1	1	3		2	1	3	1	2	11.2	
Newcastle.....	53	4	4	2	2	4	4	4	4	3	4	6	12	15.3	
St. Andrews.....	17			2	1		2		3	6	1	1	1	16.0	
St. George.....	19	2		1	1	2	4		1	3	1	2	2	17.3	
St. Stephen.....	178	13	6	12	13	14	21	19	10	21	16	19	14	52.5	
Sackville.....	33	2	2	2	2	2	3	6	4	1	3	2	4	15.3	
Shediac.....	12	1	2		2	3	2	2						6.2	
Sunny Brae.....	5	1			1	1	2							3.8	
Sussex.....	75	5	4	4	4	7	16	5	2	9	6	8	5	34.5	
Woodstock.....	161	8		13	12	8	16	16	16	20	25	15	12	46.9	
Counties.....	1556	97	72	45	144	94	221	166	126	204	159	142	86	6.7	
Albert.....	58	4	3	2	8	6	6	5	6	8	5	2	3	6.6	
Carleton.....	134	11		9	8	4	21	13	9	21	23	6	9	7.9	
Charlotte.....	68	4	2	1	4	2	6	10	4	9	12	8	6	4.9	
Gloucester.....	281	16	19	2	44	25	35	24	33	33	22	26	2	8.0	
Kings.....	129	4	5	8	5	4	28	15	7	20	10	14	9	7.1	
Madawaska.....	161	15	11		28	8	22	28	5	12	11	14	7	10.0	
Northumberland.....	142	11	6	4	9	8	18	15	15	26	14	11	5	5.5	
Queens.....	58	3		6	4	3	11	3	4	10	7	6	1	5.0	
Restigouche.....	90	3	5		5	3	16	14	8	9	9	13	5	6.1	
Sunbury.....	16	2			1	2	1	1		3	3	2	1	2.6	
Victoria.....	155	7	5	5	14	13	16	18	16	19	18	11	13	12.2	
Westmorland.....	152	7	10	4	6	9	20	12	10	20	16	27	11	5.0	
York.....	112	10	6	4	8	7	21	8	9	14	9	2	14	5.3	

TABLE 8.

TABLE VIII.
MARRIAGES.
CONJUGAL CONDITION OF CONTRACTING PARTIES
NEW BRUNSWICK, 1920.

PROVINCE AND DIVISIONS	Number of Marriages Between										
	Bachelors and				Widowers and			Divorced Men and			Information
	Spinsters	Widows	Divorced Women	Not Given	Spinsters	Widows	Divorced Women	Spinsters	Widows	Divorced Women	Lacking
New Brunswick.....	3100	184	28	1	265	164	4	13	8	3	3
Cities.....	1052	71	9	1	74	48	1	3	3	1	1
Fredericton.....	145	14	1		5	7			1		
Moncton.....	268	9	2		24	18			2		
St. John City.....	639	48	6	1	42	23	1	3		1	1
Towns.....	714	48	15		72	42	1	6	3		
Bathurst.....	46	1			11	1					
Campbellton.....	57	6			3	4					
Chatham.....	41	2			3						
Dalhousie.....	18	3			4						
Devon.....	29				2	3					
Edmundston.....	31	3			6	2					
Grand Falls.....	20	5	2		1						
Hartland.....	11				1						
Marysville.....	9	1									
Milltown.....	18	1			2	1					
Newcastle.....	44	5			1	3					
St. Andrews.....	12	1			2	2					
St. George.....	19										
St. Stephen.....	133	5	6		20	8		4	2		
Sackville.....	25	3			1	4					
Shediac.....	11					1					
Sunny Brae.....	3	1			1						
Sussex.....	61	4			6	4					
Woodstock.....	126	7	7		8	9	1	2	1		
Counties.....	1334	65	4		122	74	2	4	2	2	3
Albert.....	52	3			3						
Carleton.....	110	3			7	12	1		1		
Charlotte.....	57	2			2	5		1			1
Gloucester.....	213	16			35	15					2
Kings.....	108	5			12	4					
Madawaska.....	129	7			18	7					
Northumberland.....	125	4			9	4					
Queens.....	44	4			6	2		1	1		
Restigouche.....	79	4			3	3					1
St. John.....	51	2			4						
Sunbury.....	10	1			1	4					
Victoria.....	134	5	3		6	2	1	1		2	1
Westmorland.....	129	5	1		8	9		1			
York.....	93	4			8	7					

TABLE 9.

TABLE IX.
MARRIAGES BY DENOMINATIONS OF CONTRACTING PARTIES.
NEW BRUNSWICK, 1920.

DENOMINATIONS OF GROOMS	DENOMINATIONS OF BRIDES																			
	Totals	Adventists	Anglicans	Baptists	Brethren	Christians	Christian Science	Congregationalists	Disciples	Jews	Lutherans	Methodists	Presbyterians	Roman Catholics	Salvation Army	Protestants	Unitarians	No Religion	Other Sects	Not Given
Adventists.....	12	3	2	2	2	2	2	1	1	1	1	3	1	1	1	1	1	1	1	5
Anglicans.....	457	1	242	82	2	2	2	1	1	1	1	51	41	29	1	1	1	1	1	1
Baptists.....	994	6	97	681	1	3	1	9	1	1	1	83	66	32	5	3	3	3	4	2
Brethren.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Christians.....	5	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Christian Science.....	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Congregationalists.....	33	4	4	8	1	1	8	1	1	1	1	5	4	2	1	1	1	1	1	1
Disciples.....	5	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
Greek Church.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Jews.....	5	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1
Lutherans.....	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Methodists.....	431	3	68	109	2	2	8	1	1	1	1	172	43	17	2	1	1	1	4	2
Presbyterians.....	398	58	95	1	2	2	2	2	2	2	2	49	176	13	1	1	1	2	1	1
Roman Catholics.....	1353	3	24	33	1	1	1	1	1	1	1	17	8	1261	3	1	1	1	1	3
Salvation Army.....	4	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1
Protestants.....	20	5	5	5	5	5	5	5	5	5	5	2	2	3	9	9	9	9	9	9
Unitarians.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No Religion.....	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other Sects.....	20	2	6	6	6	6	2	2	2	2	2	1	1	1	1	1	1	1	6	6
Not given.....	25	2	2	9	9	9	9	9	9	9	9	1	1	4	4	4	4	4	4	8
Totals.....	3780	18503	1037	4	12	2	28	3	7	5	386	341	1365	11	13	1	3	20	21	21

TABLE 10.

TABLE X.
 GENERAL MORTALITY — BY MONTHS.
 PROVINCE OF NEW BRUNSWICK.
 1920.

MONTH	Male	Female	Total M. & F.	Rate per 1000 Population
Totals — N. B.....	2931	2697	5628	15.60
January.....	226	214	440	14.39
February.....	268	239	507	17.73
March.....	297	267	564	18.44
April.....	241	239	480	16.25
May.....	233	199	432	14.13
June.....	205	169	374	12.64
July.....	206	190	396	12.95
August.....	272	269	541	17.69
September.....	253	269	522	17.65
October.....	252	218	470	15.37
November.....	231	227	458	15.48
December.....	247	197	444	14.52

TABLE 11.

TABLE XI.

DEATHS FROM ALL CAUSES IN NEW BRUNSWICK, BY CITIES, TOWNS AND RURAL MUNICIPALITIES
AND MONTHS AND SEX, WITH RATES—1920

PROVINCE AND DIVISIONS	January			February			March			April			May			June			July			August			September			October			November			December			Totals	Rate per 1000		
	M.	F.	Total M. & F.	M.	F.	Total M. & F.	M.	F.	Total M. & F.	M.	F.	Total M. & F.	M.	F.	Total M. & F.	M.	F.	Total M. & F.	M.	F.	Total M. & F.	M.	F.	Total M. & F.	M.	F.	Total M. & F.	M.	F.	Total M. & F.	M.	F.	Total M. & F.							
New Brunswick.....	226	214	440	268	239	507	297	267	564	241	239	480	233	199	432	205	169	374	206	190	396	272	269	541	253	269	541	252	218	470	231	227	458	247	197	444	5628	15.60		
Cities.....	72	54	126	87	90	177	87	82	169	73	59	132	63	51	114	67	46	113	59	63	122	65	62	127	69	65	134	59	57	116	69	80	149	72	61	133	1592	18.80		
Fredericton.....	7	6	13	7	12	19	8	2	10	5	4	9	8	7	15	4	7	11	6	7	13	6	6	12	4	9	13	6	5	11	8	12	18	5	8	152	18.94			
Moncton.....	9	8	17	11	9	20	12	13	25	16	14	30	9	10	19	8	5	13	12	12	24	15	18	33	16	11	27	16	11	27	17	13	30	13	10	23	288	13.54		
St. John (City and County).....	56	40	96	69	69	138	67	47	114	52	41	93	46	34	80	55	34	89	41	44	85	44	38	82	49	45	94	37	41	78	46	55	101	54	48	102	1132	19.26		
Towns.....	42	41	83	51	32	83	46	47	93	55	39	94	36	27	63	29	23	52	36	27	63	56	61	117	40	37	77	51	30	81	28	33	61	48	36	84	951	20.2		
Bathurst.....	6	3	9	4	3	7	6	5	11	6	3	9	3	3	6	6	3	9	3	4	7	11	7	18	1	2	3	4	1	5	2	2	4	4	2	6	92	29.8		
Campbellton.....	1	3	4	2	1	3	3	5	8	3	1	4	6	12	6	2	8	4	4	8	7	15	22	10	6	16	5	2	7	4	6	10	5	3	8	100	20.4			
Chatham.....	6	6	12	1	4	5	7	6	13	5	5	10	1	2	3	3	5	8	4	1	5	8	6	14	5	5	10	5	7	12	4	4	8	4	12	11	112	24.7		
Dalhousie.....	1	1	2	2	2	4	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	9.6			
Devon.....	1	1	2	1	1	2	1	1	2	2	2	4	3	2	5	2	2	4	3	1	4	5	9	4	3	7	3	1	4	4	5	2	1	3	37	22.8				
Edmundston.....	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	12.7			
Grand Falls.....	2	2	4	3	1	4	2	3	5	2	2	4	3	2	5	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	22.6			
Harland.....	1	3	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	10.1			
Marysville.....	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	33.204			
Milltown.....	1	1	2	1	1	2	2	2	4	4	1	5	2	1	3	4	1	2	3	1	1	2	4	1	5	3	3	1	1	1	2	1	1	2	1	1	2	25.7		
Newcastle.....	4	1	5	5	2	7	5	1	6	1	4	5	2	2	4	1	3	4	1	2	3	3	3	6	1	3	4	6	1	7	1	1	6	5	11	61	17.6			
St. Andrews.....	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	25.6			
St. George.....	1	3	4	1	1	2	1	1	2	1	1	2	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	20.9			
St. Stephen.....	2	2	4	6	2	8	6	3	9	4	2	6	11	3	14	2	2	4	3	6	5	8	13	11	5	8	4	7	4	2	6	4	3	7	87	25.6				
Sackville.....	2	4	6	4	4	8	4	4	8	4	6	10	1	1	2	1	1	2	1	1	2	1	2	3	2	1	3	3	3	3	3	3	3	3	3	3	38	17.6		
Shediac.....	5	2	7	2	4	6	6	3	9	10	8	18	1	1	2	1	1	2	2	4	2	1	3	1	1	2	1	1	2	1	1	2	1	2	5	4	9	32.3		
Sunny Brae.....	4	4	8	1	1	2	1	1	2	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1	2	1	2	15.4			
Sussex.....	3	4	7	4	3	7	2	2	4	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1	1	1	1	1	1	2	3	4	7	38	17.5		
Woodstock.....	3	3	6	9	6	15	2	4	6	8	3	11	2	2	4	2	2	4	2	5	7	1	1	2	1	1	2	1	1	2	1	1	2	3	5	8	85	24.5		
Counties.....	112	119	231	130	117	247	164	158	322	113	141	254	134	121	255	108	100	208	111	100	211	151	146	297	144	167	311	142	131	273	134	114	248	127	100	227	3354	13.37		
Albert.....	4	3	7	3	4	7	7	7	14	3	3	6	5	5	10	6	4	10	11	6	17	5	5	10	5	3	8	4	1	5	5	5	8	6	3	9	116	13.3		
Carleton.....	8	9	17	5	5	10	6	14	20	5	8	13	6	12	18	7	13	5	3	8	4	3	7	10	4	4	8	3	4	7	9	4	13	8	4	12	134	7.9		
Charlotte.....	7	7	14	8	8	16	10	12	22	4	10	14	16	10	26	10	9	19	6	5	11	5	7	12	10	6	16	7	14	21	6	7	13	9	9	18	202	14.5		
Gloucester.....	15	25	40	27	16	43	38	33	71	20	33	53	24	22	46	17	13	30	13	16	29	40	35	75	46	57	103	27	20	47	29	12	41	25	17	42	620	17.7		
Kings.....	7	10	17	14	13	27	4	15	19	9	14	23	11	7	18	8	16	10	11	21	4	6	10	1	7	8	1	7	8	7	7	14	7	8	15	8	9	17	205	11.2
Madawaska.....	10	13	23	14	11	25	28	17	45	15	9	24	11	13	24	15	10	25	10	15	25	32	33	55	20	23	43	31	18	39	17	9	26	12	10	22	376	23.5		
Northumberland.....	18	13	31	15	15	30	15	23	38	15	12	27	12	14	26	8	6	14	9	9	18	8	7	15	11	13	24	16	18	34	8	13	21	11	6	17	295	11.5		
Queens.....	6	6	12	8	16	24	2	5	7	5	8	13	4	8	12	2	5	7	2	5	7	4	3	7	3	4	7	9	2	11	7	3	12	5	14	19	128	11.0		
Restigouche.....	4	7	11	7	6	13	5	9	14	11	6	17	3	3	6	7	16	11	18	24	42	9	17	26	14	11	25	14	8	22	7	5	12	223	15.2					
Saint John.....	3	3	6	1	2	3	2	2	4	4	4	3	5	8	1	1	2	1	2	3	2	3	5	8	3	11	5	2	7	4	2	1	4	2	6	63	10.2			
Sunbury.....	5	5	10	4	6	10	11	13	24	5	6	11	6	12	10	9	19	5	3	8	9	9	18	8	3	11	3	11	8	3	5	14	3	7	3	131	10.3			
Victoria.....	16	14	30	15	16	31	18	18	36	4	13	17	20	11	31	10	10	20	13	8	21	10	9	19	12	18	30	14	22	36	12	23	35	13	13	26	332	10.9		
Westmorland.....	12	9	21	9	8	17	15	9	24	17	15	32	13	11	24	8	9	17	14	10	24	10	12	22	7	9	16	12	7	19	11	12	23	15	5	20	259	12.4		

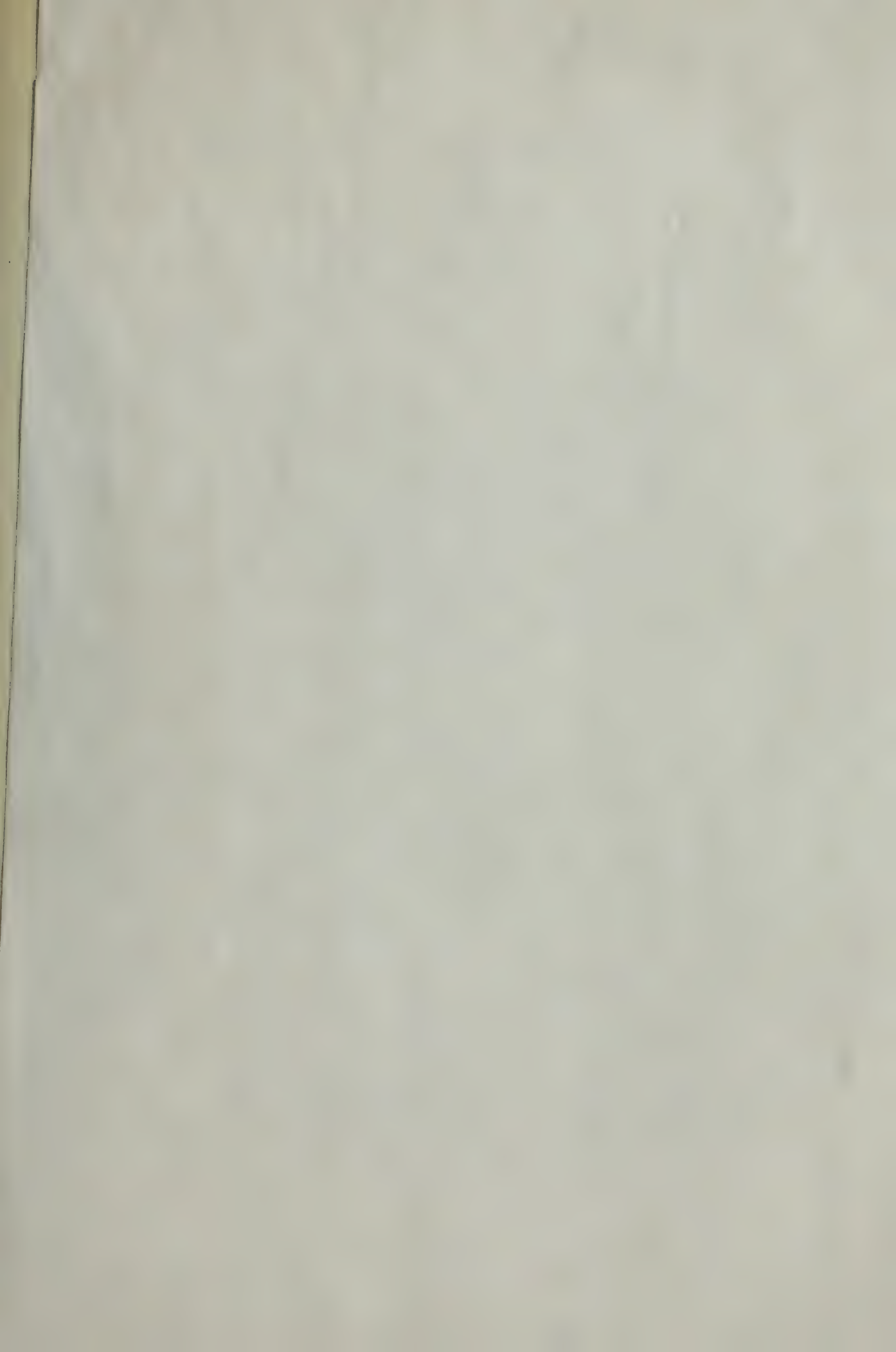


TABLE 14.

TABLE XIV.

INFANT MORTALITY (UNDER 1 YEAR) BY CITIES, TOWNS AND RURAL
MUNICIPALITIES.

NEW BRUNSWICK — 1920.

PROVINCE AND DIVISIONS	No. of Births	Deaths Under One Year	Rate per 1000 Births	PROVINCE AND DIVISIONS	No. of Births	Deaths Under One Year	Rate per 1000 Births
NEW BRUNSWICK.....	10778	1454	134.9				
CITIES.....	2419	340	140.5	TOWNS, Continued.....			
Fredericton.....	227	24	105.7	Sunny Brae.....	26	5	192.3
Moncton.....	626	77	123.0	Sussex.....	35	3	85.7
St. John (City and County (1).....	1566	239	152.6	Woodstock.....	65	8	123.0
TOWNS.....	1424	258	181.1	COUNTIES (less towns) ..	6935	856	123.4
Bathurst.....	76	19	250.0	Albert.....	202	23	113.8
Campbellton.....	230	52	226.1	Carleton.....	435	17	37.5
Chatham.....	201	37	184.0	Charlotte.....	290	19	65.5
Dalhousie.....	34	4	117.6	Gloucester.....	1300	240	180.4
Devon.....	40	3	75.0	Kings.....	379	19	50.1
Edmundston.....	216	56	259.2	Madawaska.....	760	180	236.8
Grand Falls.....	38	3	78.9	Northumberland.....	752	67	89.1
Hartland.....	21	3	133.3	Queens.....	277	16	57.7
Marysville.....	42	4	95.2	Restigouche.....	552	114	206.5
Milltown.....	31	6	193.5	Sunbury.....	160	7	43.7
Newcastle.....	92	15	163.0	Victoria.....	369	36	97.5
St. Andrews.....	19	4	210.5	Westmorland.....	836	71	84.9
St. George.....	17	2	117.6	York.....	593	47	79.2
St. Stephen.....	135	14	103.7				
Sackville.....	69	8	115.9				
Shediac.....	37	12	324.3				

(1) St. John City and County consolidated (See text of report).

TABLE XV.—DEATHS IN NEW BRUNSWICK BY CAUSES, SEX, MONTHS AND RATES PER 100,000 PER CAUSE
YEAR 1920.

TABLE 15

[illegible]

TABLE 15.—Continued.

TABLE XV.—Continued.

DEATHS IN NEW BRUNSWICK BY CAUSES, SEX, MONTHS AND RATES PER 100,000 PER CAUSE.

YEAR 1920.

CAUSES OF DEATH			Total	Rate per 100,000 Population	AGES														MONTHS																
					Under 1 Year														January																
					1 Year	2 Years	3 Years	4 Years	5-9 Years	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-39 Years	40-49 Years	50-59 Years	60-69 Years	70-79 Years	80-89 Years	90-99 Years	100 Years and Over	Not Stated	January	February	March	April	May	June	July	August	September	October	November	December	
37	Syphilis.....	M.	5	2.77	1				1						1	1												2	1			2			
		F.	5		2										1	1																			
39	Cancer and other malignant tumors of the buccal cavity ..	M.	13												2	2	1		6	1	1			1	1	3									
		F.	5													1	2		1	1				1	1		1								
40	Cancer and other malignant tumors of the stomach, liver.....	M.	45												9	3	19	10	4					4	5	3	6	6	1	3	4	2	2	4	5
		F.	48											2	6	8	12	10	9			1	4	1		3	5	4	6	7	6	3	2	7	
41	Cancer and other malignant tumors of the peritoneum, intestines, rectum ..	M.	16													2	6	7	1				1	1		2	1	2	2	1		1	3	2	
		F.	22											1	2	2	8	6	3				1	2	1			2	1	2	1	3	6	2	
42	Cancer and other malignant tumors of the female genital organs ..	F.	25	73.68											1	8	8	5	2		1			3	1	2	2		1		5	2	5	3	1
43	Cancer and other malignant tumors of the breast ..	M.	1														1								1										
		F.	11													3	6	2						1	1	1	1		2	1		1	2	1	
44	Cancer and other malignant tumors of the skin.....	M.	4													1	1	1	1	1			1		1	1	1	1							
		F.	3													1		2										1				1		1	
45	Cancer and other malignant tumors of other organs, or of organs not specified.....	M.	35												1	3	4	10	9	8				2	3	2	1	2	4	1	5	4	3	2	6
		F.	38							2		1		3	5	6	10	8	2	1				3	5	3	4		2	2	4	3	4	5	3
46	Other tumors (Tumors of the female genital organs excepted) ..	M.	9	2.49	1											1	3	2	1	1							1	1	1		1	1	2	1	
		F.	6																																
47	Acute articular rheumatism.....	M.	1						1								1	3	2	1	1						1	1	1		1	1	2	1	
		F.	6																																
48	Chronic rheumatism and gout ..	M.	7	6.09					1																										
		F.	7																																
50	Diabetes.....	M.	17													2	1	1	2																
		F.	22	10.80					2	1	1	2		1	1	1	4																		
51	Exophthalmic goitre.....	M.	1	0.55														3	6	1	3			1	4	1	6	2	1	3	1		1	2	
		F.	1															1																	
52	Addison's disease.....	M.	1	0.83																															
		F.	3															1	1		1														
53	Leucaemia.....	M.	3	2.49																															
		F.	6																																
54	Anaemia, Chlorosis ..	M.	16	10.52	2				1																										
		F.	22																																
55	Other general diseases.....	M.	1	0.83	1																														
	(c) Haemophilia ..	F.	2																																
		M.	1	0.27																															
		F.	1		1																														
56	Alcoholism (acute or chronic).....	M.	3	0.83																															
		F.	3																																
II. DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																																			
60	Encephalitis ..	M.	3	1.93	1																														
		F.	4																																
61	Simple Meningitis ..	M.	12		5				1																										
		F.	9		5	1		1																											
	(a) Cerebrospinal meningitis ..	M.	15	15.78	2	2	2																												
		F.	16		6																														
	(b) Cerebrospinal fever ..	M.	4																																
		F.	1																																
62	Locomotor ataxia ..	M.	5	1.38																															
		F.	5																																
63	Other diseases of the spinal cord ..	M.	13	4.43	1																														
		F.	3																																
64	Cerebral haemorrhage, apoplexy (undefined) ..	M.	4																																
		F.	1																																
	(a) Apoplexy ..	M.	30																																
		F.	35																																
	(b) Cerebral congestion ..	M.	1	49.58																															
		F.	1																																
	(c) Cerebral haemorrhage ..	M.	52																																
		F.	56																																

TABLE 15.—Continued.

TABLE XV.—Continued.
DEATHS IN NEW BRUNSWICK BY CAUSES, SEX, MONTHS AND RATES PER 100,000 PER CAUSE.
YEAR 1920.

[illegible]

124

125

126

127

129

130

131

V

134

135

136

137

138

139

140

V

142

143

144

145

IX

146

X

150

XI

151

152

153

XII

154

XIII

157

158

159

S

S

S

S

S

S

S

S

S

S

S

S

S

S

S

S

TABLE 15.—Continued.

[illegible]

TABLE 15.—Continued.

TABLE XV.—Continued
DEATHS IN NEW BRUNSWICK BY CAUSES, SEX, MONTHS AND RATES PER 100,000 PER CAUSE.
YEAR 1920.

CAUSES OF DEATH			Total	Rate per 100,000 Population	AGES																	MONTHS															
					Under 1 Year	1 Year	2 Years	3 Years	4 Years	5-9 Years	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-39 Years	40-49 Years	50-59 Years	60-69 Years	70-79 Years	80-89 Years	90-99 Years	100 Years and Over	Not Stated	January	February	March	April	May	June	July	August	September	October	November	December		
164	Poisoning by food	M.	1																																		
165	Other acute poisonings	M.	5	1.93		1	1	1						1			1								1	1											
		F.	1																																		
166	Conflagration	M.	2						1										1																		
		F.	1	6.09		1																															
167	Burns (conflagration excepted)	M.	10				3						1				1	2	1															2	3		
		F.	11		1	3	1	1		2				1	1									1							1	1	2	4	1		
168	Absorption of deleterious gases (conflagration excepted)	F.	2	0.55															1																		
169	Accidental drowning	M.	36																																		
		F.	2	10.52																																	
		F.	2																																		
170	Injury by firearms	M.	5																																		
		F.	1																																		
172	Injury by fall	M.	8						1																												
		F.	4																																		
173	Injury in mines and quarries	M.	2	16.60																																	
174	Injury by machines	M.	2																																		
175	Injury by other crushing (vehicles, railways, landslides, etc.)	M.	33																																		
		F.	2																																		
		F.	2																																		
176	Injury by animals	M.	3																																		
178	Excessive cold	M.	1	0.27																																	
179	Effects of heat	M.	1	0.27																																	
180	Lightning	M.	1	0.83																																	
		F.	2																																		
181	Electricity (lightning excepted)	M.	1	0.27																																	
184	Homicide by other means	M.	2	0.55																																	
185	Fractures (cause not specified)	M.	23	8.81	1																																
		F.	9																																		
186	Other external violence	M.	14	3.87																																	
XIV. ILL-DEFINED DISEASES.																																					
187	Ill-defined organic diseases	M.	1																																		
		F.	1																																		
188	Sudden death	M.	10	3.87	2																																
		F.	2																																		
189	Cause of death not specified	M.	519	287.72	299	29	11	4	1	11	9	15	2	6	13	8	20	28	35	20	4		4	38	49	59	49	39	33	38	65	43	39	33	34		
		F.	519		248	30	10	9	6	12	15	9	15	18	28	15	16	26	31	24	6		1	37	38	63	40	33	31	39	72	66	39	37	24		

THE CITIES.

TABLE XVI.

FREDERICTON—DEATHS FROM ALL
CAUSES, BY MONTHS, SEX AND
RATES.

YEAR 1920.

MONTH	Male	Female	Total Male and Female	Rate per 1000 Population
January.....	7	6	13	19.1
February.....	7	12	19	29.7
March.....	8	2	10	14.7
April....	5	4	9	13.7
May.....	8	7	15	22.0
June.....	4	7	11	16.6
July.....	6	7	13	19.1
August.....	6	6	12	17.6
September.....	4	9	13	19.7
October.....	6	5	11	16.1
November.....	6	12	18	27.3
December.....	5	3	8	11.7
Totals.....	72	80	152	18.9

TABLE XVII.

FREDERICTON—INFANTILE MOR-
TALITY (UNDER ONE YEAR)
BY MONTHS AND RATES.

YEAR 1920.

MONTH	No. of Births	Deaths under One Year	Rate per 1000 Births
January.....	20	2	100.0
February.....	15	.....	.....
March.....	15	2	133.3
April.....	27	2	74.0
May.....	28	3	107.1
June.....	18	2	111.1
July.....	20	1	50.0
August.....	23	3	130.4
September.....	14	3	214.3
October.....	17	2	117.6
November.....	13	2	153.8
December.....	17	2	117.6
Totals.....	227	24	105.7

TABLE XVIII.

MONCTON — DEATHS FROM ALL
CAUSES, BY MONTHS, SEX AND
RATES.

YEAR 1920.

MONTH	Male	Female	Total Male and Female	Rate per 1000 Population
January.....	9	8	17	11.9
February.....	11	9	20	14.9
March.....	12	13	25	17.5
April.....	16	14	30	21.7
May.....	9	10	19	13.3
June.....	8	5	13	9.4
July.....	12	12	24	16.8
August.....	15	18	33	23.1
September.....	16	11	27	19.6
October.....	16	11	27	18.9
November.....	17	13	30	21.7
December.....	13	10	23	15.1
Totals.....	154	134	288	17.1

TABLE XIX.

MONCTON—INFANTILE MORTAL-
ITY (UNDER ONE YEAR) BY
MONTHS AND RATES.

YEAR 1920.

MONTH	No. of Births	Deaths under One Year	Rate per 1000 Births
January.....	51	3	58.8
February.....	50	3	60.0
March.....	49	6	123.4
April.....	37	2	54.0
May.....	63	5	79.3
June.....	51	2	39.2
July.....	67	7	104.4
August.....	56	18	321.4
September.....	32	10	312.5
October.....	57	3	52.6
November.....	60	10	166.6
December.....	53	8	150.9
Totals.....	626	77	123.0

TABLE XX.

* ST. JOHN CITY AND COUNTY—
DEATHS AT ALL AGES FROM ALL
CAUSES, BY MONTHS, SEX AND
RATES.

YEAR 1920.

Month	Male	Female	Total Male and Female	Rate per 1000 Population
January.....	56	40	96	18.9
February.....	69	69	138	28.9
March.....	67	47	114	22.5
April.....	52	41	93	18.9
May.....	46	34	80	15.7
June.....	55	34	89	18.1
July.....	41	44	85	16.7
August.....	44	38	82	16.1
September.....	49	45	94	19.1
October.....	37	41	78	15.3
November.....	46	55	101	20.6
December.....	54	48	102	20.1
Totals.....	616	536	1152	19.2

TABLE XXI.

* ST. JOHN CITY AND COUNTY—
INFANTILE MORTALITY (UN-
DER ONE YEAR) BY MONTHS
AND RATES.

YEAR 1920.

Months	No. of Births	Deaths Under One Year	Rate per 1000 Births
January.....	134	14	104.4
February.....	141	22	156.0
March.....	160	17	106.2
April.....	158	20	139.2
May.....	121	13	107.4
June.....	130	22	169.2
July.....	142	18	126.7
August.....	121	18	148.7
September.....	107	41	383.1
October.....	110	22	200.1
November.....	114	18	157.8
December.....	128	14	109.3
Totals.....	1566	239	152.6

* See text of report.

TABLE 22.

TABLE XXII.
BIRTHS, MARRIAGES AND DEATHS.
BY SUB-DISTRICTS, MONTHS AND RATES.

January to June (inclusive) — 1921.

SUB-DISTRICT	MONTHS						Totals	Rate per 1000 per year
	January	February	March	April	May	June		
BIRTHS —								
N. B., 1920 (half-year)	912	877	1050	951	894	827	5511	30.8
N. B., 1921 (same period)	858	890	1045	1006	903	931	5633	30.9
Albert	12	16	22	16	17	17	100	23.2
Carleton	33	39	35	61	35	39	242	22.9
Charlotte	47	43	57	44	42	45	278	25.9
Fredericton	18	25	18	13	20	22	116	28.6
Gloucester	97	139	174	161	152	127	850	43.9
Kings	38	35	37	43	42	31	226	22.1
Madawaska	68	75	97	89	86	84	499	49.6
Northumberland	82	88	97	89	78	89	523	30.1
Queens	29	18	19	31	20	20	137	23.4
Restigouche	76	77	93	85	76	89	496	43.5
St. John City and County	121	109	136	120	115	130	731	24.1
Sunbury	12	14	15	9	11	9	70	22.6
Victoria	33	30	32	36	34	33	198	30.9
Westmorland	138	123	148	149	125	136	819	30.7
York	54	59	65	60	50	60	348	28.8
MARRIAGES —								
N. B., 1920 (half-year)	227	177	171	327	212	475	1589	8.81
N. B., 1921 (same period)	208	172	192	252	192	447	1463	8.04
Albert	5	3	4	1	3	9	25	5.8
Carleton	10	9	19	17	13	41	109	10.3
Charlotte	13	19	17	18	19	30	116	10.8
Fredericton	6	9	10	11	12	16	64	15.8
Gloucester	21	12	8	42	16	29	128	6.6
Kings	7	9	3	8	8	19	54	5.3
Madawaska	16	15	13	13	18	30	105	10.4
Northumberland	18	10	18	19	12	26	103	6.0
Queens	3	1	2	5	4	9	24	4.1
Restigouche	8	9	10	12	6	25	70	6.1
St. John City and County	54	44	42	43	42	111	336	11.1
Sunbury	2		2	2	1	7	14	4.5
Victoria	5	9	6	8	8	21	57	8.9
Westmorland	35	15	26	35	22	55	188	7.0
York	5	8	9	18	8	19	70	5.8

TABLE XXII.—*Continued.*
 BIRTHS, MARRIAGES AND DEATHS.
 BY SUB-DISTRICTS, MONTHS AND RATES.
 January to June (inclusive) — 1921.

SUB-DISTRICT	MONTHS						Totals	Rate per 1000 per year
	January	February	March	April	May	June		
DEATHS —								
N. B. 1920 (half-year).....	433	498	546	466	405	346	2694	14.93
N. B., 1921 (same period).....	480	436	507	531	412	339	2705	14.83
Albert.....	10	15	15	10	12	7	69	16.0
Carleton.....	19	16	17	29	9	19	109	10.3
Charlotte.....	29	26	38	38	28	14	173	16.1
Fredericton.....	24	13	10	10	11	6	74	18.2
Gloucester.....	50	36	41	60	62	54	303	15.6
Kings.....	18	24	21	28	24	21	136	13.3
Madawaska.....	33	41	43	33	22	22	194	19.3
Northumberland.....	48	40	57	42	35	28	250	14.7
Queens.....	20	7	16	16	9	6	74	12.6
Restigouche.....	20	20	37	41	34	17	169	14.8
St. John City and County.....	101	102	115	101	81	69	569	18.8
Sunbury.....	9	3	6	5	6	3	32	10.3
Victoria.....	10	13	15	17	16	5	76	11.9
Westmorland.....	62	60	55	60	36	51	324	12.1
York.....	27	20	21	41	27	17	153	12.7

NOTE.— These tables are published mainly to afford such comparison with 1920 as may be at present available, and also to supply some later information than is contained in the full tables for 1920. The figures for 1921 are tentative, subject to slight increase, etc., and are made upon the same limitations as those of the first half of 1920, so as to afford a true and ready comparison.

APPENDIX I

Annual Report of Chief
of Laboratory

ANNUAL REPORT OF CHIEF OF LABORATORIES
FOR YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

H. L. ABRAMSON,
Chief of Laboratories.

The work performed by the laboratory for the year ending October 31, 1921, shows a gratifying increase over that of the previous year. The figures are tabulated in Tables I and II.

A total of 9,841 examinations were made as against 6,252 in the year 1919-20. This represents an increase of about 57%. The great bulk of this increase is due to the increase in the laboratory service rendered to the General Public Hospital, St. John. The work for the hospital totalled 5,216 examinations or 53% of all the work of the laboratory. This represents an increase of about 134% over that done for the hospital the previous year.

The diphtheria culture service accounts for the greater part of this increase. Four thousand and eighty-three throat culture examinations were made as against 1,893 the previous year. Of this total, 3,102 were done for the General Public Hospital and 979 for the rest of the province. The great bulk of the latter was done for physicians of St. John. The physicians outside of St. John have not as yet exhibited the proper interest in this service.

All of the other items show healthy increases with the exception of Wassermann tests, water examinations, treponema pallida examinations and feces. The diminution in the Wassermann tests is in all probability accounted for by the falling off in the work of the Department of Soldiers Civil Re-Establishment. During the past year the work offered by this organization has been reduced to almost nothing. The diminution in water examinations is an indication of less typhoid and paratyphoid fevers in the province the past year, and therefore not undesirable.

The work done for the St. John County Hospital is considerably increased over the previous year — 206 examinations as against 54 in 1919-20. The work done for the Hotel Dieu in Campbellton under the grant from that institution terminated in February, 1921. This accounts for the small total of only 19 examinations. This is not an index of the hospital laboratory work done by this institution, as it has established a laboratory of its own and performs most of its laboratory work on the premises. We have been receiving numbers of specimens of tissues and Wassermann and other work from this hospital during the past year.

A total of 130 examinations were made for the Venereal Diseases Clinics. This figure is not for the whole year as active work in the clinics did not begin until about May 1st, 1921. Most of these examinations were done for the St. John clinic.

The work done for the Sub-District Board of Health of St. John City and County is shown in Table II. A total of 980 examinations were made as against 901 in 1919-20. Fifty-six water analysis were made as against 22 the previous year. The bacteria counts of milk totalled 355 as against 313 in 1919-20, and the fat determinations were 569 as against 566 in 1919-20.

The distribution of vaccine virus (Table III) shows a diminution over the previous year, the total being 15,298 as against 23,805 in 1919-20. The sub-district of Fredericton

used the smallest amount of vaccine — a total of 50 capillaries. The Westmorland sub-district used the largest number — a total of 2,080 capillaries.

During the past year seventeen (17) sub-stations were established throughout the province. These sub-stations were stocked with all the diagnostic outfits made up by the laboratory, such as is used for diphtheria, Wassermann, widal, sputum, gonorrhea, urine and tissues. In addition, each received the following sera and vaccines:

- 5 pkgs. of 5,000 units Tetanus Antitoxin.
- 2 " " 1,500 " " "
- 5 " " 5,000 " Diphtheria Antitoxin
- 10 " " 1,000 " " "
- 1 " Anti-meningitis serum with intraspinal outfit.
- 2 " Anti-meningitis 20 c. c. vials anti-meningitis serum.
- 1 box of triple typhoid vaccine in ampoules.
- 20 one point packages of smallpox vaccine.

These sub-stations have from time to time requisitioned for additional supplies.

In addition to the above there has been distributed throughout the province during the year 1920-21, 110,000 units of diphtheria antitoxin; 43,000 units of tetanus antitoxin; 80 c. c. of anti-meningitis serum; 600 c. c. triple typhoid vaccine or enough for 240 persons; toxin-antitoxin mixture for active immunization against diphtheria in quantity sufficient for 42 persons.

Toxin-antitoxin mixture was used to immunize all the inmates of the Provincial Memorial Home, Wright Street, St. John, against the disease diphtheria. This institution had become a pest-hole of diphtheria. Cases from the Home were keeping the doctors and nurses busy at the General Public Hospital, with the consequent large expense to the city and an increase in its death rate. After the children had been immunized the incidence of diphtheria in the institution dropped off sharply and this year thus far we have had no cases of diphtheria among the children that were immunized. As a direct result of the demonstration of the effectiveness of this method of immunization, this institution has made a regulation requiring that all children admitted be actively immunized against diphtheria and that they be isolated from the rest of the children until the immunization had been completely administered. One case did occur during the past year at this Home but it was determined that the child did not undergo the process of active immunization. It is to be earnestly hoped that all the child-caring institutions in the province make similar regulations with regard to active immunization against diphtheria. It would mean a reduction in the diphtheria morbidity and mortality and diminish as a consequence the infiltration of our population with diphtheria carriers.

The cash receipts of the laboratory as shown in Table IV exhibit a decrease of about \$1,600 from the previous year, when \$995.40 is deducted from the total as presented in last year's report. This sum was carried over from the year 1918-19. This decrease may be accounted for to a large extent by the diminution in the work offered by the D. S. C. R. and the reduction of the number of Wassermann tests. The total receipts for Serologic work, of which the Wassermann tests form the greater part, is only \$1,553.15 as against \$3,173.15 the previous year. It is also possible that the collections have been poor and this, too, has had its effect in diminishing the cash receipts.

The matter of increased accommodations for the laboratory has advanced slightly since the last report was issued. The Board of Commissioners of the General Public Hospital, St. John, have put at our disposal five additional rooms, but this space cannot be developed into laboratory quarters without funds. It will require about \$5,000.00 or more to arrange and equip this space into suitable quarters. We are now at the work of transferring our sterilizing and media room out of the basement, which has become untenable, to one of the rooms in the old Nurses' Home. It is to be sincerely hoped that funds will be forthcoming for the equipment of the chemical laboratory,—a much

needed requirement of the department. We have the chemist, but nothing for her to work with.

The director of the laboratory has been instrumental in the establishment of a laboratory at the Moncton City Hospital, Moncton. This hospital has provided modern laboratory equipment and has engaged a former member of our staff to perform the work. This will consist of the usual hospital clinical work and the public health work of the City of Moncton. The latter work will consist of bacteriological examination of milk and water, diphtheria cultures, sputum for tuberculosis, widal tests for typhoid and paratyphoid fevers, smears for gonorrhea and the Wassermann tests.

This Department is ready at all times to assist hospitals throughout the province that are desirous of establishing modern laboratories. It is to be hoped that other hospitals will not hesitate to call on us for such assistance, as it is the desire of the Department of Health and in the best interests of the citizens of this province that the benefits of the laboratory service be as widespread as possible. It will mean a higher class of work in the hospitals and lower morbidity and mortality rate.

Respectfully submitted,

H. L. ABRAMSON,
Chief of Laboratories.

TABLE I.
EXAMINATIONS — BUREAU OF LABORATORIES
YEAR 1920-21

EXAMINATIONS	General Laboratory	Gen. Pub. Hospital	St. John Co. Hospital	Hotel Dieu, Campbellton	V. D. Clinics	TOTALS		
						1920-21	1919-20	1918-19
Throat Cultures.....	979	3,102	2			4,083	1,893	264
Urinalysis.....	483	637	7	1		1,128	682	573
Widal.....	411	125		9		545	347	165
Sputum.....	245	99				344	283	211
Smears of Gonococcus.....	192	251	1		1	445	351	175
Tissue Sections.....	88	96	2	8		194	136	44
Gross Pathology.....		168				168	3	
Wassermann Tests.....	514	297	64		128	1,003	1,133	469
Milk for Fat.....	1	46				47	13	11
Milk for Bacteria.....		28				28		
Water Analysis Bacteriological	87		1			88	146	65
Treponema Pallida.....	7	3			1	11	20	12
Autogenous Vaccines.....	52	10	3			65	48	60
Bacteriological Examinations..	42	243	2	1		288	86	25
Blood Examinations.....	99	37				136	98	49
Feces.....	36	29	1			66	63	40
Spinal Fluids.....	20	25				45	29	25
Stomach Contents.....	3	20				23	8	12
Diphtheria Virulence Tests....	4					4		
Complement fixation for tuber- culosis.....			123			123	12	
Grand Totals.....	3,263	5,216	206	19	130	8,834	5,351	2,200

TABLE II.

MILK AND WATER EXAMINATIONS — ST. JOHN BOARD OF HEALTH
YEAR ENDING OCTOBER 31, 1921.

UNDER ANNUAL GRANT FROM CITY OF ST. JOHN.

MONTHS	MILK EXAMINATIONS		Bacteria Counts	WATER EXAMINA- TIONS	Totals
	Fat Determination			Bacterio- logical	
	Milk	Cream			
November.....	4	.....	4	6	14
December.....	96	.....	20	4	120
January.....	36	.....	25	2	63
February.....	36	.....	48	3	87
March.....	58	.....	36	5	99
April.....	12	.....	4	4	20
May.....	96	.....	4	4	104
June.....	17	22	44	1	84
July.....	60	.....	36	12	108
August.....	48	.....	54	7	109
September.....	36	.....	40	5	81
October.....	48	.....	40	3	91
Totals.....	547	22	355	56	980

TABLE III.

DISTRIBUTION OF VACCINE VIRUS (SMALLPOX)
FOR THE YEAR ENDING OCTOBER 31, 1921.

Sub-District Board of Health	Capillaries	Sub-District Board of Health	Capillaries
St. John (City and County)...	881	Restigouche.....	255
Charlotte.....	1,240	Northumberland.....	1,530
Fredericton.....	50	Sunbury.....	320
Kings.....	830	York.....	1,600
Queens.....	200	Sub-Stations.....	1,190
Carleton.....	1,212	Dr. F. J. Desmond, D. M. H. O..	60
Victoria.....	260	Dr. J. A. Wade, D. M. H. O....	100
Albert.....	410	Dr. Wm. Warwick, D. M. H. O..	150
Westmorland.....	2,080	Dr. Geo. G. Melvin, C. M. O....	100
Madawaska.....	880	Federal Department of Health...	100
Gloucester.....	1,850		
			15,298

TABLE IV.
RECEIPTS—BUREAU OF LABORATORIES
YEAR 1920-1921.

Month	Serology	Bacteriology	Pathology	Clinical Pathology	Miscellaneous	Totals
*Cash on hand.....						\$268 00
November.....	\$138 00	\$65 00	\$65 00	\$52 00	\$144 00	464 00
December.....	82 00	1,183 70	10 00	80 00	267 55	1,623 25
January.....	260 00	77 00	30 00	60 00	168 28	595 28
February.....	178 15	1,045 00	125 00	75 00	38 90	1,462 05
March.....	75 00	39 00	30 00	83 00	27 65	254 65
April.....	90 00	68 00	15 00	72 00	118 63	363 63
May.....	257 00	151 00	42 00	596 00	57 35	1,103 35
June.....	80 00	90 00	20 00	83 00	11 50	284 50
July.....	85 00	147 00	10 00	68 00	79 40	289 40
August.....	60 00	100 00	44 00	45 00	10 87	259 87
September.....	108 00	123 25	46 00	39 00	39 05	355 30
October.....	140 00	50 00	113 00	78 00	252 02	733 02
Totals.....	\$1,553 15	\$3,138 95	\$550 00	\$1,331 00	\$1,215 20	\$8,056 30

*Not received by Treasury Department until November.

APPENDIX II.

Reports of District Medical Health Officers

Eastern Health District (Dr. F. J. Desmond.)

Southern Health District (Dr. Wm. Warwick.)

Western Health District (Dr. J. A. Wade.)

ANNUAL REPORT OF DISTRICT MEDICAL HEALTH OFFICER EASTERN DISTRICT.

YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.

Chief Medical Officer,

FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

F. J. DESMOND,

District Medical Health Officer.

During the past year, health conditions in this district show much more favorably than in previous years. Sanitary conditions have much improved, school buildings have been inspected from time to time when conditions were not up to the proper standard. All railway stations visited and suggestions for improvement carried out.

No severe epidemics of notifiable diseases have occurred. In the early spring months a few cases of smallpox were reported from Shippegan, Gloucester county, and in the Parish of Durham, Restigouche county. These were promptly quarantined and all contacts vaccinated, with no further spread of the disease.

Typhoid fever was reported from Chatham, Beaver Brook, and parts of Kent county. Cases that could not be removed to the hospitals were placed in charge of a trained nurse and all inmates of the houses given two doses of typhoid vaccine. All wells showing evidence of pollution were ordered closed, resulting in the disease soon being stamped out.

Diphtheria of a mild type was reported from Jacquet River, Restigouche county. I made four visits to the district and had a trained nurse put in charge of the cases. The great difficulty I found was that on account of the mild nature of the disease parents did not call a doctor or report to the sanitary inspector till the second case developed, and in a few homes with fatal results.

The population of the Eastern Health District is now 179,548. During the year 825 cases of notifiable diseases were reported, with a mortality of 98.

The Sub-District Board of Health of Kent was organized and is now in active operation. Complete information for each of the sub-district Boards will be found under the separate headings, also in reports sent in by me from time to time to the Department of Health.

Respectfully submitted,

F. J. DESMOND,

District Medical Health Officer.

ANNUAL REPORT OF DISTRICT MEDICAL HEALTH OFFICER,
SOUTHERN DISTRICT.

YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for year 1920-21.

WM. WARWICK,
District Medical Health Officer.

The past year, in my district, has been free from any epidemic of infectious disease, other than measles. This latter disease was very prevalent throughout the past winter but in a large majority of cases no physician was in attendance, hence the numbers of cases reported in the various tables from the sub-district Boards give but a poor idea of the prevalence of the malady. In most places the disease was well established before we were made aware of it, but even then such measures as were deemed advisable were taken to curtail its spread.

There were no cases of smallpox in my district during the year, but several suspected cases were investigated. During the months of January and February I visited Charlotte and Victoria counties in connection with smallpox cases there, as the District Medical Health Officer of the Western District was incapacitated through illness.

During the past summer there has been a considerably greater number of typhoid cases throughout my district, but in no instance did this disease assume the character of an epidemic. Wherever possible I personally investigated such cases, while in the St. John Sub-District, careful enquiry was made and records kept, with the assistance of Dr. C. M. Pratt, the Sub-District Medical Officer. The increase in typhoid was, I think, largely attributable to the extremely dry season, with consequent drying up of old water supplies. A close watch was kept, through the assistance of my various secretaries and sanitary inspectors, on all cases of diphtheria and scarlet fever and, whenever considered necessary, a personal investigation was made.

In a number of instances I submitted plans for, and made inspection of proposed methods of disposing of sewage for individual houses by means of septic tanks. Many private water-supplies were inspected and advice given as to improvements.

During the summer a considerable amount of time was given to the methods by which the St. John water-supplies could be safeguarded and reports thereon were submitted to the St. John Sub-District Board of Health and to the Common Council, and several conferences held. During four months an intensive campaign was carried on, with the assistance of the Dairy and Food Inspector, to ensure a cleaner milk supply coming to St. John. A large number of sediment tests were done, these classified, recorded, and, in those found dirty, the producers notified. This entailed a great deal of correspondence, many interviews with the farmers and, in a number of instances, visits to and inspection of farms.

The evidence adduced in this campaign could not but fail to convince me that even with a continuance of our efforts along this line that this city could not count on a safe

milk supply unless pasteurization of all milk sold in the city was made compulsory, and of late I have spent a considerable amount of time in making plans for the attainment of this important object.

Throughout the summer I visited, with a few exceptions, all the various officials of the several sub-district Boards in my district. This, I believe, was of great benefit to all concerned, as it gave me the opportunity to discuss the various services of the Department with these officials and to look into the local difficulties when such existed, and to make clearer to the officials just what was required of them. In most instances I found these officials most anxious to carry out their duties faithfully and very appreciative of any recognition of the same.

In August last, I spent five days at the Provincial Boy Scouts' Camp on Grand Lake, giving instructions and holding examinations for the Public Healthman and Healthyman badges. About 90 boys qualified for these two badges and as many others had previously won these badges, this number of the 250 boys at the camp was very commendable. During the year I have given a considerable number of hours to the Boy Scouts of St. John in connection with this same work.

Lectures to the two classes of Public Health Nurses in training at the Victorian Order Nurses' Home in St. John have taken up about forty-five hours of time.

Investigating and adjusting the very numerous matters, whether pertaining strictly to one's duties or not, but which are nevertheless referred to the Health Officer, entails a considerable amount of work, and this is especially true of "follow-up" work in connection with venereal disease cases.

As a Coroner, I held one "view."

All regular and special meetings of my four Boards have been attended, with but one exception, when I was absent from the city.

In April I attended the Canadian Public Health Convention at Toronto as a representative from the St. John Sub-District Board of Health and while there took occasion to look into the Toronto Health Department's methods of handling the milk problem.

For the assistance given and the consideration shown me by yourself, Sir, and all the various officials of the Department and Boards, I am most appreciative.

Respectfully submitted,

WM. WARWICK,
District Medical Health Officer.

ANNUAL REPORT OF DISTRICT MEDICAL HEALTH OFFICER
WESTERN DISTRICT.

YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

J. A. WADE,
District Medical Health Officer.

In making my third annual report, I think it unnecessary to go into details and particulars of my work, the Department having full and complete reports of the work done in all my trips during the year.

I have attended all the regular and special meetings of my sub-health districts.

My work has called me to nearly all parts of my district, and I have endeavoured to carry on the work of the Health Act to the best of my ability and, I think, with a fair amount of success.

The officials of my various sub-districts have done their work in many instances in a very efficient manner and have carried out the regulations fairly well. I think it would be highly beneficial to the successful carrying out of the work, to have a meeting at least once yearly, say, during April or May, of the staffs of the various sub-district Boards and at these meetings the Minister or the Chief Medical Officer, or both, be in attendance. I think it would be a means of getting more efficient service.

Am pleased to say influenza has been about nil during the year.

We have had no epidemics of contagious disease. Owing to the extremely dry season we have had more typhoid fever than last year. In my investigations of the source or origin of typhoid, I find it is caused from using water from the old style wells, many of which are still in existence. The remedy to my mind, in villages and country districts being the boring of artesian wells. This I always advise.

Regarding smallpox, there has been in Madawaska sub-district a number of cases but not as many as in previous years, principally on account of successful vaccination. We had a few cases in the Sub-District of York originating in a lumber camp. In the Sub-District of Charlotte there were quite a number of cases of this disease, caused by a diagnosis of chicken pox for smallpox, the disease in many instances being of a mild form and no doctor in attendance, hence the spread. I personally vaccinated over a thousand persons and instituted vaccination of the employees of the different corporations in St. Stephen and Milltown. By so doing we kept the disease well in hand. No deaths as yet from smallpox, it being a mild form. In the Sub-District of Madawaska, have vaccinated about five hundred persons.

Have had a small percentage of scarlet fever and diphtheria, but in no instance of an epidemic nature.

Have attended all meetings of the Health Bureau, from which I have received much benefit in regard to my work.

During the year I have travelled over ten thousand miles.

I have also been greatly assisted by the Chief Medical Officer, who is ready and willing at all times to do all in his power to assist in the work.

Respectfully submitted,

J. A. WADE,
District Medical Health Officer.

ANNUAL REPORT OF DIRECTOR OF PUBLIC HEALTH
NURSING SERVICE.

PROVINCE OF NEW BRUNSWICK.

YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for year 1920-21.

H. T. MEIKLEJOHN,
Director.

Only a very short time has passed since the establishment of this service, so that this report must of necessity be brief.

Through the generosity and co-operation of the Provincial Red Cross Society and the Victorian Order of Nurses, we now have five trained Public Health Nurses in the rural parts of New Brunswick and hope shortly to add several more to the number.

Our hope is that the communities to which these nurses have been sent will recognize the value of the Public Health Nurse, and the service which she can render, and be themselves anxious to continue this service — as a community responsibility. Money is the great need of the Public Health Nursing Service. We need sufficient to enable us to place our nurses for such a period of time as will prove to a community the value and meaning of public health nursing. We must create the demand.

To provide the special post-graduate course to graduate nurses necessary to fit them for this work, scholarships are needed and it is hoped that some of the voluntary organizations interested will help to provide these, for Public Health work cannot be efficiently carried on without public health nurses.

School inspection is being assisted by the five Public Health Nurses now in the field, and also, in several of the smaller towns, by the local district nurses, through the co-operation of the voluntary organizations supporting them. By this means some fifteen different areas have already received the benefits of the school nurse.

It is the intention, soon, to begin a series of illustrated talks on Child Welfare and general health topics, throughout the province, in an effort to stir up general interest in Public Health and the work of the Public Health Nurse.

The vital statistics of the province, especially with respect to Infant Mortality, as well as actual personal contact with conditions, both go to show that Public Health Nursing is badly needed everywhere, in the towns and cities as well as rural areas, and it is hoped by means of this propaganda to awaken the people of New Brunswick to actual conditions and the vital need for action on their part.

Coming here as an entire stranger, I wish to express my thanks to the Department and to the various societies and individuals with whom I have already come into contact for the very great courtesy and helpful sympathy with which I have been received.

Respectfully submitted,

H. T. MEIKLEJOHN,
Director.

REPORT OF SURGEON-SECRETARY V. D. CONTROL BRANCH
OF DEPARTMENT OF HEALTH.
YEAR ENDING OCTOBER 31, 1921.

TO GEO. G. MELVIN, M.D.,
Chief Medical Officer,
Department of Health,
FREDERICTON, N. B.

SIR:

I beg to submit the following Annual Report for transmission to the Hon. the Minister of Health for year 1921.

J. A. McCARTHY,
Surgeon-Secretary.

The following is a report on the Venereal Disease Section of the Department of Health, Province of New Brunswick, for the year ending December 31, 1921. In May, 1921, 8 clinics were established at different points in the province as follows: St. John, Fredericton, Woodstock, Chatham, Campbellton, Edmundston, St. Stephen and Moncton. These clinics were equipped at the expense of the Department of Health and put under the charge of competent clinicians.

The clinicians forward to me, as Secretary Venereal Disease Control, monthly returns for the amount of work done in their clinics, on V. D. form 2, three copies of which are then made out, one copy of which is forwarded to the Federal Department of Health, Ottawa, one copy to the Chief Medical Officer, Fredericton, and one retained on our files.

Confidential notification of venereal diseases is made by the clinician and by the general practitioner to the District Medical Health Officer, who on the first of each month forwards a return to me of the number of cases notified. These returns are then compiled on V. D. form 1, three copies of which are made out — one passed to the Federal Department of Health, Ottawa, one to the Chief Medical Officer, and one retained on our files.

There is a central Medical Store over which I have supervision. The stock is supplied to the stores on request to the Chief Medical Officer, who makes purchases and has goods shipped direct to me with invoices, which I sign in triplicate and return to him. After this, the goods are in my charge and entered in my ledger. It is through this Medical Stores that the officers in charge of the clinics requisition for their supplies. On receipt of supplies they sign receiving slips and return to me. The amount of the commodity is then entered on my ledger for the day as having been issued to the respective clinics.

A quarterly return of drugs is forwarded to me from each clinic. This shows quantity carried over from previous quarter, amount received during the quarter, amount expended or dispensed during quarter. This then is checked with the monthly return of patients treated, which shows number of treatments given with reference to diarsenol. The number of treatments given plus amount on hand should equal amount issued plus amount carried over from the previous quarter. Thus an accurate check can be kept.

The following commodities have passed through the Medical Stores: Diarsenol, 1,000 ampoules; hypodermic syringes, 1 dozen; needles, 3 dozen; tablets proto iodide of mercury, 20,000; adrenalin chloride, 8 ounces; mercury ointment, 64 ounces, and grey oil ampoules, 430. This along with case history cards and American Journal of Syphilis issued to each clinician.

During the last eight months, two hundred and thirty-two (232) cases of Venereal Disease were reported under confidential notification. Of these, two hundred and four (204) were treated in the clinics. Treatments administered by the clinics were nine hundred and eighty-eight (988) diarsenol and nine hundred and ninety-nine (999) cases of gonorrhea and soft sore.

As is noted, a very small proportion of the cases reported were reported by the private physicians but a marked improvement is evident in this score as nearly all cases reported by private physicians were done so in the last two months. The month of December, 1921, shows almost double the number of cases reported at clinics and by private physicians as reported in any previous month.

On my tour of inspection of the clinics in the province, I found the Moncton Clinic to be the most active. The clinician here was working under marked disadvantage as his clinic had to be carried on in his own office, there being no hospital accommodation in Moncton. It is apparently in the by-laws of their hospital, written some twenty years ago, that Venereal Diseases were not to be treated in the Victoria General Hospital. However, any emergency cases resulting from arsenical reaction they are willing to look after for a limited period of time. I went through the hospital and found that there was absolutely no available space where a clinic could be instituted without further construction.

However, with an expenditure of, I would estimate, a couple of thousand dollars, such a room could be made available at that institution and I would recommend that efforts be exerted along this line and a room be made available for the installing of the clinic at the institution.

At Chatham the clinic is housed in the Hotel Dieu Hospital and very satisfactory accommodation is available. Dr. Losier had no complaints whatever.

In Campbellton, Dr. Pinault, clinician, was in Europe, but his work was taken over by his *locum tenens* and the hospital accommodation at this centre is quite satisfactory.

St. Stephen is the only centre where the clinic has not been functioning satisfactorily. They have not treated a single case since its inception. The clinician was of the opinion that most of the cases suffering with Venereal Diseases crossed the border to Calais and received treatment, so that very few of the practitioners of St. Stephen had very much in this branch of their practice. I called on the physicians of the locality and they all promised their support to our movement for the combating of Venereal Disease, and I must confess they were all quite vague as to their knowledge of the aims of the V. D. Section of the Department of Health. On this point I enlightened them and I expect better results from that section of the country.

All the other clinics are functioning in a most satisfactory manner and I find that in all of them a great many gonorrheal cases are treated at the office of the clinician, as they find one treatment a week not sufficient for the proper control of the ravages of this disease. This statement embraces all clinics with the exception of that held at St. John. Here our facilities for treatment are much better, as our hospital is much larger and the nurse in charge of the outdoor department is also on our strength at the small salary of \$20.00 per month. Women and children who require daily treatments report to her and receive the necessary attention at certain hours every day.

Here also are internes available who are willing and anxious to help out in our work, and in the case of male patients requiring daily consideration they report at certain hours and the interne in charge of the outdoor, acting under my supervision, gives them the necessary daily treatment.

Our department is as yet in its infancy and still quite some distance from the ideal. For the St. John clinic, which is by far the largest, I would recommend that a full time nurse be appointed to act as Social Service Nurse and follow up the female patients reporting for treatment, visit them and ascertain their home environment and surroundings, and be available at certain hours each day to carry out treatment. I would also recommend the appointment of a full-time orderly or male nurse to carry out routine treatment as prostatic massage, irrigations, etc., in the male patients.

I would further recommend the installation of a more modern equipment in the outpatient department for the treatment of gonorrheal cases.

The above submitted for your information, please.

J. A. MCCARTHY,
Surgeon-Secretary.

APPENDIX III.

**Annual Reports from
Sub-District Boards of Health.**

ANNUAL REPORT SUB-HEALTH DISTRICT OF ALBERT

FOR YEAR ENDING OCTOBER 31, 1921.

TO GEO. G. MELVIN, M.D.
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

WM. WARWICK,
District Medical Health Officer.

H. B. COONAN, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES (for entire Sub-District).—
Table No. 1. The small number of cases of notifiable diseases occurring during the year was very encouraging. There were fewer cases of diphtheria and scarlet fever and of "other" notifiable diseases, than in the past year.

The number of typhoid cases — 2 — was the same as for 1920.

While only one case of measles was reported there was, in common with other parts of the province, quite a considerable epidemic. In many instances no physician was called in and in others the physicians did not report their cases.

No doubt there were also many cases of tuberculosis which were not notified to the Secretary.

The "other" diseases reported were one (1) case of chicken pox and one (1) of mumps. The case of chicken pox was reported as a suspected smallpox, the case being promptly quarantined until the matter of diagnosis was settled by a visit from the District Medical Health Officer. This case entailed no additional cost on the county and serves as an example of the benefits that accrue from the working of the Health Act.

There were two deaths from diphtheria, both cases being practically beyond hope when a physician was called in. One death from tuberculosis was reported to the Secretary but, doubtless, reference to the returns of the sub-deputy registrars would show others, as these do not pass through the secretary's hands.

CLOSURE OF HOUSES — None.

GENERAL SANITARY CONDITION OF SUB-DISTRICT.— There has been a considerable improvement in sanitary conditions in the sub-district. Many complaints have been investigated and remedied. As a result of the annual inspection of villages a number of insanitary conditions were removed. Compliance with the wishes of the inspectors in these matters was the rule. In one village a grave nuisance was removed through the co-operation of the citizens in extending a sewer to a safe place.

There has been a decided improvement in the condition of the schoolhouses and premises, particularly as regards cleanliness.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— There has been evidence of a greater degree of efficiency in the work of the staff. The sub-deputy registrars have kept their records satisfactorily and taken a greater interest in getting complete returns.

The sanitary inspectors have carried out the annual inspections of villages, attended to notifiable diseases and various complaints and, generally, have taken a greater interest in the sanitary condition of their areas. The appointment of one sanitary inspector for each parish has worked out more satisfactorily than when one sanitary inspector had two or three parishes.

MEDICAL INSPECTION OF SCHOOLS.— This service likewise has been carried on more satisfactorily and from present indications the work for this present term will be more complete than in the past.

LEGAL PROCEEDINGS — None.

GENERAL REMARKS.— The Municipal Council has not filled the vacancy on the Board which was occasioned by the resignation of Dr. W. P. Kirby, when he removed from the county. The fact that there has not been a county physician on the Board has been a drawback in many ways.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. Wm. Warwick, D. M. H. O., Chairman, St. John; H. Lester Smith, Riverside; Geo. Robinson, Elgin; W. D. Bennett, Hopewell Cape; J. T. Ryan, Moncton.

Secretary.— H. B. Coonan, Hopewell Cape.

SANITARY INSPECTORS.

NAME	ADDRESS	AREA
R. A. Smith.....	Elgin.....	Parish of Elgin
D. B. Livingston.....	Hillsboro.....	" " Hillsboro.
J. S. Prosser.....	R. R. 2 Coverdale....	" " Coverdale.
H. B. Coonan.....	Hopewell Cape.....	" " Hopewell.
Robert Copp.....	Upper New Horton...	" " Harvey.
F. P. Kierstead.....	Alma.....	" " Alma.

MEDICAL SCHOOL INSPECTORS.

Dr. E. Rommell.....	Havelock.....	Parishes of Elgin and Alma.
Dr. J. E. M. Carnwath.....	Riverside.....	Riverside Consolidated School.
Dr. B. J. Dash.....	Hillsboro.....	Parishes Hillsboro, Coverdale and schools at Hopewell Cape, Lower Cape, Curryville in Hopewell.
Dr. S. C. Murray.....	Albert.....	Parish of Harvey, schools Hopewell Hill, Memel and Woodworth Settlement in Hopewell.

SUB-DEPUTY REGISTRARS.

R. A. Smith.....	Elgin.....	Parish of Elgin.
D. B. Livingston.....	Hillsboro.....	" " Hillsboro.
H. B. Coonan.....	Hopewell Cape.....	" " Parish of Hopewell.
F. P. Kierstead.....	Alma.....	" " Alma.
L. I. Leeman.....	Salisbury.....	" " Coverdale.
Edw. E. Lewis.....	Waterside.....	" " Harvey.

FINANCIAL REPORT.— Table No. II.

Table No. I.

ENTIRE SUB-DISTRICT OF ALBERT.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
 YEAR 1920-21.

DISEASE	No. of Cases.	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	4	2	50.0	23.2
Scarlet Fever.....	2			
Typhoid.....	2			
Measles.....	1			
Smallpox.....				
Tuberculosis.....	1	1	100.00	11.6
Influenza.....	1			
Infantile Paralysis.....				
Other Notifiable Diseases.....	2			
Totals.....	13	3	23.1	34.8

Table No. II.

ANNUAL FINANCIAL RETURN.

ALBERT SUB-DISTRICT BOARD OF HEALTH

TO CHIEF MEDICAL OFFICER.

Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	EXPENDITURES	AMOUNT
	Balance on hand November 1, 1920.....	\$168 97	Salaries.....	\$1,993 78
	Municipal Grant (none).....		Postage and Stationery....	8 64
	Provincial Loans.....	487 50	Incidental Expenses.....	151 96
		1,872 46	Vaccine.....	118 13
	Fees.....	2 00	Hospital and Medical Supplies.....	
	Other Revenue.....	3 00	<i>Contagious Diseases:</i>	
			Smallpox (1919)	25 36
			Diphtheria.....	
			Typhoid.....	
			Epidemic Influenza.....	
			To balance Oct. 31.....	236 06
		\$2,533 93		\$2,533 93

Salaries paid were for year 1920 and partly for first quarter of 1921.

Smallpox bill was contracted in January, 1919.

ANNUAL REPORT SUB-HEALTH DISTRICT OF
CARLETON
YEAR ENDING OCTOBER 31, 1921

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

J. A. WADE,
District Medical Health Officer.

T. C. L. KETCHUM, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— For entire Sub-District, Table I.; for Town of Woodstock, Table IA.; for Town of Hartland, Table IB.

It will be noted that with the exception of the outbreak of typhoid fever in the village and environs of Centreville, and, to a less degree, in the Parishes of Wakefield and Upper Woodstock, the sub-district has not been afflicted with any great visitation of contagious or infectious disease. Scarlet fever cases have been reported and in all cases dealt with promptly, and no fatalities from this disease or from diphtheria cases have been reported.

The deaths, it will be seen, have resulted from the typhoid outbreak, which occurred in the past summer and fall — mostly during the very dry period. Of the deaths reported, four occurred in the areas of Wilmot, Wicklow and Simonds (mainly in Wilmot), and three in the area of Wakefield.

With respect to the Town of Woodstock, it will be seen that the notifiable diseases reported were few and that there was but one death — from typhoid fever. In this particular case the patient had been a resident of Centreville until a short time before his death, and the disease was undoubtedly contracted while he lived there. The scarlet fever and diphtheria cases were promptly dealt with, houses placarded and effectual steps taken to prevent the spread of the diseases.

The Town of Hartland was extremely free from notifiable disease and no death occurred.

CLOSURE OF HOUSES.— There is a building on Queen street in the Town of Woodstock on the north side, the upper part of which was rented to certain tenants. In the spring Sanitary Inspector Kelly reported the building as insanitary and in company with the Secretary of the Board and the owner of the building visited and inspected the same. The owner agreed that the conditions were such as to render the building unfit for occupation as a dwelling place and gave the necessary notices as landlord to the tenants and, with his consent, upon the expiration of the terms of tenants, the building was vacated and has been thoroughly cleaned. No legal steps were necessary.

GENERAL SANITARY CONDITION OF SUB-HEALTH DISTRICT.— The principal feature coming under this head is the typhoid outbreak already referred to. As soon as these cases developed Dr. Wade was at once notified and he made visits to Centreville, Wakefield and Upper Woodstock. The wells concerned were inspected and samples of the water sent for analysis. During the interim when the water was under analysis the wells were ordered disused. The main cause of the outbreak in Centreville seems to be traced to a well in the hotel. This building was ordered closed. The District Medical Health Officer took these matters in charge. Cases of scarlet fever and diphtheria have, I believe, been all reported promptly and dealt with at once. I may say that the inspectors in most

cases have to cover large areas, necessitating long travel but in all instances they have responded promptly and efficiently. The general "clean-up" in the spring is noted, the warning placards have been posted in prominent places. Particular care has been taken in the disposal of dead animals, and in this regard the safety of the public has been guarded.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.—*Town of Woodstock.*—During the late fall and winter, in each case of notifiable disease the houses were promptly placarded and quarantined and duly disinfected when the physician so directed. In the spring and early summer an inspection was made of the outhouses and surroundings of the various residences, nuisances noted and parties directed to remove or abate same. In one or two instances parties were served with notice D-1 and in no case was any further action required. The action of the inspector with regard to the closing of a building on Queen street, with the consent of the owner, is noted above.

Parishes of Woodstock and Richmond.—The sanitary inspector reports a thorough examination of buildings in the villages under his supervision, a careful inspection of the school buildings and outhouses in connection therewith. The sanitary conditions of the railway stations were looked into and necessary changes made by the railway on representation. Complaints having been made of the conditions of two slaughter-houses, there were visited and promptly ordered to be put in condition satisfactory to the inspectors which in each case was done. This is a hard area to serve, as the Town of Woodstock separates the lower part of the Parish of Woodstock from the upper. The inspector, received in several cases helpful assistance from the inspector for the town. One case of scarlet fever was reported and house placarded and afterwards disinfected. Another case near Debec was similarly dealt with. A complaint of nuisance from decayed potatoes in Debec was promptly dealt with. Conditions generally satisfactory.

Parish of Wakefield.—One case of scarlet fever at Victoria Corner was reported and the authorized steps taken to deal with the same. Four dead animals were buried at the expense of the owners. Schoolhouses and outbuildings inspected and found satisfactory. There were three cases of typhoid all of which ended fatally. The water was sent away for analysis and wells ordered disused.

Parishes of Wilmot, Wicklow and Simonds.—With regard to this area, the former sanitary inspector, Mr. H. H. Hagerman, having resigned, Mr. Geo. F. Burpee was appointed in his stead. Mr. Burpee was just getting into the run of his work when he was attacked with typhoid fever, and was for some time unable to attend to the duties of his office. Before this, however, he had attended to the burial of two dead animals which were about to cause a nuisance, and since his recovery he has visited the homes in the villages of Lakeville and Centreville and the several schoolhouses, and noted conditions. In this area there were 23 cases of typhoid fever and four deaths.

Parishes of Kent and Aberdeen.—The sanitary inspector reports a great improvement in conditions during the year. There were two cases of scarlet fever in Aberdeen and no deaths. The inspector examined premises throughout his district and found things very satisfactory. Mr. Alex. Lindsay having removed for the winter to British Columbia, the work is being carried on by Mr. John D. Hood, with the approval of the Board.

Town of Hartland and Parishes of Peel and Brighton.—The inspector reports a satisfactory year from a health standpoint. In the Town of Hartland there were but two cases of notifiable disease and no deaths. All necessary steps were taken to prevent spreading and, it will be seen, with results. Schoolhouse, stations and premises generally, inspected and nuisances promptly dealt with.

Parish of Northampton.—The inspector for this area reports no cases of notifiable disease. One dead horse was buried at the expense of the owner. Houses in the village of Grafton examined and conditions found generally satisfactory. Sanitary conditions very good.

MEDICAL INSPECTION OF SCHOOLS.—The inspectors have been furnished with all the necessary literature and forms, and vaccine has been ordered sent to them direct. All reports from the inspectors passed into the secretary have been promptly forwarded to the Chief Medical Officer.

No legal proceedings have been rendered necessary.

FINANCIAL REPORT. Table II.—In submitting the financial statement I have given the amount of money actually received during the year ending October 31st and the money actually expended during that period. The amount of appropriation asked for by the Board for the calendar year of 1921 was \$3,000. The Council voted the sum of \$1,800.

COMPOSITION OF BOARD AND STAFF:

Members of Board.—Dr. J. A. Wade, D. M. H. O., Chairman, Fredericton; John A. Lindsay, Woodstock; W. E. Flemming, Debec; Dr. R. B. Field, Centreville, Dr. M. E. Commins, Bath; Dr. L. deC. MacIntosh, Hartland.

Secretary.—T. C. L. Ketchum, Woodstock.

SANITARY INSPECTORS.

NAME.	ADDRESS.	AREA.
Owen Kelly.....	Woodstock.....	Town of Woodstock.
J. R. Kirkpatrick.....	Debec.....	Parishes Richmond and Woodstock.
William Kimball.....	Upper Woodstock....	" of Wakefield.
George McElroy.....	Grafton.....	" " Northampton.
H. N. Dickenson.....	Hartland.....	" " Peel and Brighton.
George F. Burpee.....	Centreville.....	" " Wilmot, Wicklow and Simonds.
Alexander G. Lindsay.....	Glassville.....	" " Aberdeen and Kent.

MEDICAL SCHOOL INSPECTORS.

Dr. F. J. L. Brown.....	Woodstock.....	Town of Woodstock.
Dr. N. P. Grant.....	Woodstock.....	Parishes of Woodstock, Richmond and Northampton.
Dr. L. deC. MacIntosh.....	Hartland.....	" " Wakefield, Brighton and Peel.
Dr. M. E. Commins.....	Bath.....	" " Kent and Aberdeen.
Dr. H. S. Wright.....	Lakeville.....	" " Wilmot, Wicklow and Simonds.

SUB-DEPUTY REGISTRARS.

T. C. L. Ketchum.....	Woodstock.....	Town of Woodstock.
N. K. Bull.....	R. R. 1 Woodstock...	Parish of Woodstock.
J. R. Kirkpatrick.....	Debec.....	" " Richmond.
Geo. McElroy.....	Grafton.....	" " Northampton.
H. N. Dickenson.....	Hartland.....	" " Brighton.
H. N. Dickenson.....	Hartland.....	Town of Hartland.
A. B. Lovely.....	Florenceville.....	Parish of Peel.
Alex. G. Lindsay.....	Glassville.....	" " Aberdeen.
Mrs. E. P. Simonds.....	Tracey's Mills.....	" " Wicklow.
Russell Hatfield.....	Middle Simonds.....	" " Simonds.
W. P. Kimball.....	Upper Woodstock....	" " Wakefield.
Geo. F. Burpee.....	Centreville.....	" " Wilmot.

Table No. I.

ENTIRE SUB-DISTRICT OF CARLETON.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
Year Ending October 31, 1921.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....	17	.....	.....	.....
Scarlet Fever.....	17	.....	.....	.....
Typhoid.....	34	7	20.6	33.1
Measles.....	4	.....	.....	.....
Smallpox .....	.....	.....	.....	.....
Tuberculosis.....	.....	.....	.....	.....
Influenza.....	.....	.....	.....	.....
Infantile Paralysis.....	.....	.....	.....	.....
Other Notifiable Diseases.....	.....	.....	.....	.....
Totals.....	72	7	9.7	33.1

Table No. 1A.

TOWN OF WOODSTOCK.
CASES OF AND DEATHS FROM NOTIFIABLE DIESASE.
Year Ending October 31, 1921.

DISEASE	No. of Cases	No. of Deaths.	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	2	.....	.....	.....
Scarlet Fever.....	1	.....	.....	.....
Typhoid.....	2	1	50.0	29.6
Measles.....	1	.....	.....	.....
Smallpox .....	.....	.....	.....	.....
Tuberculosis.....	.....	.....	.....	.....
Influenza.....	.....	.....	.....	.....
Infantile Paralysis.....	.....	.....	.....	.....
Other Notifiable Diseases.....	.....	.....	.....	.....
Totals.....	6	1	16.6	29.6

Table No. IB.

TOWN OF HARTLAND.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.

Year Ending October 31, 1921.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases.	Deaths Per 100,000 Population.
Diphtheria.....	2	.....	.....	.....
Scarlet Fever.....
Typhoid.....
Measles.....
Smallpox.....
Tuberculosis.....
Influenza.....
Infantile Paralysis.....
Other Notifiable Diseases.....
Totals.....	2	.....	.....	.....

Table No. II.

ANNUAL FINANCIAL RETURN.

CARLETON SUB-DISTRICT BOARD OF HEALTH.

TO CHIEF MEDICAL OFFICER.

Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	EXPENDITURES	AMOUNT
	Municipal Grant	\$2,982 52	Salaries.....	\$2,328 00
			Postage and Stationery....	21 00
			Incidental Expenses.....	293 00
			Vaccine.....	114 00
			Hospital and Medical Sup- plies.....	99 30
			Contagious Diseases:	
			Smallpox	
			Diphtheria.....	
			Typhoid.....	
			Epidemic Influenza.....	
			To balance.....	5 17
		\$2,982 52		\$2,982 52

ANNUAL REPORT SUB-HEALTH DISTRICT OF
CHARLOTTE

YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

J. A. WADE,
District Medical Health Officer.

F. L. MALLORY, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.—For entire Sub-District, see Table No. I; Town of St. Stephen, Table No. IA; for Town of Milltown, Table No. IB; for Town of St. Andrews, Table No. IC, and for Town of St. George, ID.

CLOSURE OF HOUSES (Section 32, Public Health Act, 1918)—None.

GENERAL SANITARY CONDITION OF SUB-HEALTH DISTRICT.—The sanitary conditions of the sub-district, so far as "nuisances" are concerned, seem to be an improvement over those of the previous year. All rural inspectors were requested to submit a report of work performed by them during the year, and the reports show that fairly satisfactory results have been obtained. This is especially so when the extent of their areas is compared with the remuneration they receive.

While the list of Notifiable Diseases shows a smaller number of cases reported than for the previous year, the conditions have been less favorable on account of the prevalence of smallpox at Letete, St. George, Bonny River, Rollingdam, Dumbarton and St. Stephen. It will also be noted that scarlet fever cases were reported during each and every month of the year. Measles was epidemic here as in other areas during the winter, and the result shown indicates that only a small percentage of the cases were reported. The number of diphtheria cases reported is two less than for the previous year.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.—Synopsis of work done by Sanitary Inspectors:

Town of St. Stephen.—Reported all notifiable diseases cases, which were more in number than for the previous year, and attended to the many details in connection with same. Posted "nuisance removal notices," made inspections of area and attended to all complaints.

Town of Milltown.—Inspector for this area has submitted an excellent report, which shows that he has attended to the duties of his office in a satisfactory way.

Town of St. Andrews.—Made inspections at different times, and reported on same. Also accompanied Secretary on nuisance complaints and had unsatisfactory conditions removed.

Town of St. George.—Looked after notifiable diseases cases reported, which included smallpox in the town, and at Letete in the Parish of St. George, which is included in this area. Had two nuisance complaints in the parish cleared up.

RURAL AREAS.

Parish of Campbellville.—Reports no outstanding occurrences during the year other than two cases of notifiable disease, which were reported.

Parish of Clarendon.— Reports sanitary conditions for the year good. Only one insanitary condition reported, which was immediately rectified.

Parish of Dufferin.— Inspector reports conditions to have been highly satisfactory during the year.

Parish of Dumbarton.— Inspector for this area has had considerable to do in connection with smallpox cases, and his work has been favorably reported upon.

Parish of Grand Manan.— Posted nuisance removal notices over the Island, which the Inspector states had good effect. Only a few minor insanitary complaints received to be attended to. Reports area to have been free from infectious or contagious diseases, except for a few cases of scarlet fever at Seal Cove.

Parish of Lepreaux. Reports only one case of notifiable disease during the year. Inspected area twice and found conditions satisfactory.

Parish of Pennfield.— Reported notifiable diseases cases, and attended to nuisance complaints.

Parish of St. Andrews.— Included in area of Town of St. Andrews and covered in that report.

Parish of St. Croix.— No outstanding occurrence reported during the year.

Parish of St. David.— Reported and looked after all cases of notifiable disease, and attended to nuisance complaints.

Parish of St. George.— Included in area of Town of St. George and covered in that report.

Parish of St. James.— Reports no insanitary conditions to record, but has had considerable work with notifiable diseases cases, including smallpox.

Parish of St. Patrick.— No outstanding features or occurrences during the year to report. Had one nuisance complaint removed.

Parish of St. Stephen.— Reports having no notifiable diseases in his area during the year, or any insanitary conditions.

Parish of West Isles.— During the year inspected all school properties and found sanitary conditions good. Attended to several nuisance complaints and reported all notifiable diseases promptly.

SUB-DEPUTY REGISTRARS.— The collection of Vital Statistics in this sub-district is carried on by the Sanitary Inspectors who are also sub-deputy registrars for their respective areas, except in the Parishes of St. George and St. Andrews and the Town of Milltown, where separate registrars have been appointed to conform with the regulations calling for a separate appointee for each town and parish. As these registrars report directly to Fredericton during the first two days of every month, it is impossible to pass any comment on their work, other than to state that the District Medical Health Officer has reported at different times at our Board meetings that this branch of the work is being very thoroughly carried on in this sub-district.

MEDICAL INSPECTION OF SCHOOLS.— For the term ending December 31, 1920, very full and complete returns were submitted by the inspectors for this branch of the work. During February and March this year all town schools were examined and the reports forwarded to the Chief Medical Officer.

LEGAL PROCEEDINGS.— None.

GENERAL REMARKS.— The foregoing seems to have covered in a general way all the important features of the work during the year. The presence of smallpox in several sections of the sub-district called for a larger amount of work for the Board itself, and for the members of the staff who came in contact with same. Both have done their utmost in grappling with the situation, which it is hoped will soon be completely stamped out.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. J. A. Wade, D. M. H. O., Chairman, Fredericton; Dr. F. A. Duston, St. Stephen; Dr. J. F. Macaulay, Grand Manan; W. H. Maxwell, St. George; Maurice McCann, Rollingdam; F. W. Richardson, Deer Island.

Secretary.— F. L. Mallory, St. Andrews, N. B.

SANITARY INSPECTORS.

NAME	ADDRESS	AREA
John McGibbon.....	St. Stephen.....	Town of St. Stephen.
R. W. MacIntosh.....	Milltown.....	" " Milltown.
F. M. Cawley.....	St. George.....	" " St. George and Parish.
Jas. McDowell, Sr.....	St. Andrews.....	" " St. Andrews and Parish.
Frank Richardson.....	St. Andrews, R. R. 1..	Parish of St. Croix.
J. Howard Toal.....	Rollingdam.....	" " Dumbarton.
W. O. Garcelon.....	Oak Bay.....	" " St. David.
Thos. Williamson.....	Box 211, St. Stephen..	" " Dufferin.
Marshall Groom.....	Box 422, St. Stephen..	" " St. Stephen.
B. L. Moore.....	Moore's Mills.....	" " St. James.
Jas. E. Monahan.....	Elmsville.....	" " St. Patrick.
J. E. Connors.....	Black's Harbor.....	" " Pennfield.
A. B. Small.....	R. R. 2, Mace's Bay...	" " Lepreaux.
Arthur Popple.....	Clarendon via Gasper- eaux.....	" " Clarendon.
Fred McKenney.....	Leonardville.....	" " West Isles.
Wellington Parker.....	Welshpool.....	" " Campobello.
W. A. Fraser.....	Woodward's Cove....	" " Grand Manan.

SUB-DEPUTY REGISTRARS.

John McGibbon.....	St. Stephen.....	Town of St. Stephen.
Chas. Casey.....	Milltown.....	" " Milltown.
F. L. Mallory.....	St. Andrews.....	" " St. Andrews.
F. M. Cawley.....	St. George.....	" " St. George and Parish.
J. A. Thompson.....	St. Andrews.....	Parish of St. Andrews.
F. Richardson.....	St. Andrews, R. R. 1..	" " St. Croix.
J. Howard Toal.....	Rollingdam.....	" " Dumbarton.
W. O. Garcelon.....	Oak Bay.....	" " St. David.
Thos. Williamson.....	Box 211, St. Stephen..	" " Dufferin.
Marshall Groom.....	Box 422, St. Stephen..	" " St. Stephen.
B. L. Moore.....	Moore's Mills.....	" " St. James.
Jas. E. Monahan.....	Elmsville.....	" " St. Patrick.
J. E. Connors.....	Black's Harbor.....	" " Pennfield.
A. B. Small.....	Mace's Bay, R. R. 2...	" " Lepreaux.
Arthur Popple.....	Clarendon via Gasper- eaux.....	" " Clarendon.
Fred McKenney.....	Leonardville.....	" " West Isles.
Wellington Parker.....	Welshpool.....	" " Campobello.
W. A. Fraser.....	Woodward's Cove....	" " Grand Manan.

FINANCIAL REPORT.— Table II. This report being for the year October 31, 1920, to October 31, 1921, it overlaps with the calendar year or the period in which our books are balanced. This being the case the figures might appear more than our estimates call for. The Municipal grant for the current year is \$3,500.

Table No. I.

ENTIRE SUB-DISTRICT OF CHARLOTTE.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
Year Ending October 31, 1921.

DISEASE	No. of Cases.	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	10	1	10.0	4.7
Scarlet Fever.....	39			
Typhoid Fever.....	10			
Measles.....	110			
Smallpox.....	27			
Tuberculosis.....				
Influenza.....				
Infantile Paralysis.....	1			
Other Notifiable Diseases.....	5			
Totals.....	202	1	0.49	4.7

Table No. IA.

TOWN OF ST. STEPHEN.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	3			
Scarlet Fever.....	17			
Typhoid Fever.....				
Measles.....				
Smallpox.....	4			
Tuberculosis.....				
Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....	1			
Totals.....	25			

Table 1B.

TOWN OF MILLTOWN.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....				
Scarlet Fever.....	5			
Typhoid Fever.....				
Measles.....				
Smallpox.....				
Tuberculosis.....				
Influenza.....				
Other Notifiable Diseases.....				
Totals.....	5			

Table No. 1c.

TOWN OF ST. ANDREWS.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....				
Scarlet Fever.....				
Typhoid.....	2			
Measles.....	88			
Smallpox.....				
Tuberculosis.....				
Influenza.....				
Other Notifiable Diseases.....	4			
Totals.....	94			

Table No. 1D.

TOWN OF ST. GEORGE.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	1	.....	.....	.....
Scarlet Fever.....	2	.....	.....	.....
Typhoid.....	.....	.....	.....	.....
Measles.....	10	.....	.....	.....
Smallpox.....	1	.....	.....	.....
Tuberculosis.....	.....	.....	.....	.....
Influenza.....	.....	.....	.....	.....
Other Notifiable Diseases.....	.....	.....	.....	.....
Totals.....	14	.....	.....	.....

Table No. II.

ANNUAL FINANCIAL RETURN.

CHARLOTTE SUB-DISTRICT BOARD OF HEALTH

TO CHIEF MEDICAL OFFICER.

For Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1920					
Oct 31	Balance carried forward.	\$473 12		Salaries.....	\$3,075 00
	From Municipality.....	3,569 54		Postage and Stationery.	21 77
	Other revenue (Vaccine)	25 00		Incidental Expenses....	361 18
				Vaccine.....	60 25
				<i>Contagious Diseases:</i>	
			1921	Smallpox.....	508 82
				Balance on hand.....	40 64
		\$4,067 66			\$4,067 66

ANNUAL REPORT SUB-HEALTH DISTRICT OF
FREDERICTON
YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

J. A. WADE,
District Medical Health Officer.

A. J. WHEELER, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Table I.

CLOSURE OF HOUSES.— None.

THE GENERAL SANITARY CONDITION of our city is borne out by the fact that while we had one hundred and thirty-five (135) cases of notifiable diseases, we had only two (2) deaths and many of the cases came from outlying districts to be treated at Victoria Hospital.

The work of the Sanitary Inspector has been most efficient, also that of the Plumbing Inspector and the Analyst, and has met with the approval of the Board in every particular. But I regret to have to report that our Medical School Inspector's work has not been satisfactory and has caused the Board, as well as the public, considerable annoyance.

As Secretary, regret to have to refer to the early death of our late Medical School Inspector, W. V. Coffin, M.D.

During the year the Board has been quite active, and the public will appreciate the betterment of conditions, generally.

It is the opinion of the Board that the Hon. the Minister of Public Health should at his earliest convenience deal with the matter of the two inactive members of the Board and confer with the local members as to other appointments.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. J. A. Wade, D.M.H.O., Chairman, Fredericton; Peter Farrell, D. J. Shea, F. H. Everett, Roy H. McGrath, M.D., R. W. McLellan.

Secretary.— A. J. Wheeler.

Sanitary Inspector.— A. C. Fleming.

Plumbing Inspector.— George Edney.

Medical School Inspector.— W. H. Irvine, M.D.

Analyst.— H. H. Hagerman.

In connection with Financial Report (Table II.) for year ending, you will, I think, appreciate the fact that with the area and population the city is being generously dealt with. I regret to have to mention the fact that "Our City Fathers" cut our allowance \$500.00 for 1920-21, although City Hall up to September, 1920, was headquarters for the Board, and did not have to pay rent, light, telephone and postage. This year the Board has decided to ask for \$5,000 for the carrying on of the work.

PLUMBING INSPECTOR'S REPORT.

BOARD OF HEALTH,

SUB-DISTRICT OF FREDERICTON.

SIRS:

I hereby submit the following report on the plumbing work done in the city during the year ending October 31, 1921, which in brief is as follows:

Number of Plans filed by Plumbers during the year.....	77
Number of Water Tests.....	53
Number of Certificates granted.....	53
Number of House connections laid.....	44

The following Sewer Extensions were made:

Westmorland Street.....	830	feet
Victoria Street.....	699.8	"
Gray Street.....	1,130	"
Queen Hotel Alley.....	50	"
University Avenue.....	65	"

2,774.8 "

Total number of House Connections now in city 1,316

Total length of Sewer Mains.....12 miles, 2,815.5 feet

All the sewers have been flushed twice during the year, and are in good condition.

Respectfully submitted,

GEO. EDNEY,
Plumbing Inspector.

ENTIRE SUB-DISTRICT OF FREDERICTON. Table No. I.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
 Year Ending October 31, 1921.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....	20	1	5.0	12.3
Scarlet Fever.....	4			
Typhoid.....	19	1	5.26	12.3
Measles.....	81			
Smallpox.....				
Tuberculosis.....				
Influenza.....				
Infantile Paralysis.....	1			
Other Notifiable Diseases.....	10			
Totals.....	135	2	1.48	24.7

N. B.—Many cases notifiable diseases came from outlying districts to hospital, so should not be directly charged to the City of Fredericton.

ANNUAL FINANCIAL RETURN. Table No. II.

FREDERICTON SUB-DISTRICT BOARD OF HEALTH. TO CHIEF MEDICAL OFFICER
 Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1920- 1921	Municipal Grant.....	\$4,000 00	Oct. 1920 to Oct. 1921	Salaries.....	\$3,249 95
				Postage and Stationery.	104 09
				Incidental Expenses....	393 48
				Vaccine, Hospital and Medical Supplies....	40 80
				<i>Contagious Diseases:</i>	
				Smallpox.....	
				Typhoid.....	
				Epidemic Influenza..	
				Balance.....	211 68
		\$4,000 00			\$4,000 00

ANNUAL REPORT SUB-HEALTH DISTRICT OF GLOUCESTER

YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

F. J. DESMOND,
District Medical Health Officer,
B. C. MULLINS, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, Table I.; Town of Bathurst, Table IA.

I beg to report one hundred and twenty-four (124) cases of notifiable diseases, with sixteen (16) deaths, for the year ending October 31, 1921. It will be noted there were only 27 cases of smallpox with no deaths, as against 130 cases last year. No doubt this indicates the improvement brought about by vaccination.

We had 19 cases of typhoid this year against 245 cases last year and we attribute this to the improved service from the sanitary inspectors, and the co-operation of the public in complying with the regulations of the Board in being inoculated, to the boiling of water and cleaning of all suspicious wells and the general improvement in sanitary conditions in the district at large.

ESTIMATES OF PRESENT POPULATION.— Entire Sub-District, 40,000; town of Bathurst, 3,800.

CLOSURE OF HOUSES.— No houses were closed during current year.

THE GENERAL SANITARY CONDITION of the sub-health district is good. We are not this year as other years, with an epidemic of smallpox and typhoid on our hands. The district as covered by our sanitary inspectors is almost clear of notifiable disease to date.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— We have twelve sanitary inspectors with two assistants. Each parish in the county is divided into districts, inspected and patrolled by our staff. Monthly reports furnished the Secretary and immediate notification in cases of notifiable disease. We find that this department is more efficient, as all officers from their experience have a better understanding of their duties.

MEDICAL INSPECTION OF SCHOOLS.— We have three Medical Inspectors of schools. We have grouped several parishes together and put them all under one Medical School Inspector. We find in this way that it gives better satisfaction and costs less money. The work of the medical inspectors is less as respects vaccination and some other points, each year, as our districts have been fully covered for the last two years, and nearly all children attending school have come under the regulations of the Act. This branch of the service is better understood and is gaining favor with the parents, and we do not meet the difficulty that was met the first year in parents and trustees more or less objecting to inspection and vaccination by our medical officers.

LEGAL PROCEEDINGS.— We are pleased to report that it has not been necessary to take any legal proceedings this year.

COMPOSITION OF BOARD AND STAFF.

Members of Board.—F. J. Desmond, M.D., D. M. H. O., Chairman, Newcastle; Wm. G. Doucet, West Bathurst; Dr. F. X. Comeau, Caraquet; J. R. Young, Tracadie; J. A. Poirier, Paquetville; J. H. Duguay, Caraquet.

Secretary.—B. C. Mullins, Bathurst.

SANITARY INSPECTORS.

NAME	ADDRESS	AREA
Jerome A. Doucet	Elm Tree	Parish of Beresford.
James Drysdale	Bathurst	Town and Parish Bathurst.
Jos. U. Landry	Grand Anse	Parish of New Bandon (part)
Robert Hickson	Stonehaven	" " " " "
Louis R. Legere	Upper Caraquet	" " Caraquet.
David Gionet	Middle Caraquet	" " " (assistant)
Amede Hachey	Burnsville	" " Paquetville.
Thos. D. Losier	St. Isidore	" " St. Isidore.
Jos. H. Sonier	Tracadie	" " Saumerez.
Hypolite Chiasson	Little Lameque	" " Shippegan
Sam Robichaud	Shippegan	" " " (assistant)
Max J. Arseneau	Six Roads	" " Inkerman.
W. Friguault	Upper St. Simon	" " Caraquet (assistant).

MEDICAL SCHOOL INSPECTORS.

Dr. A. H. McKinnon	Bathurst	Parish of New Bandon.
Dr. C. J. Veniot	Bathurst	Parishes of Beresford, Caraquet, Paquetville, Inkerman, Saumerez and St. Isidore.
Dr. E. A. Arseneau	Shippegan	Parish of Shippegan.

SUB-DEPUTY REGISTRARS.

Jerome A. Doucet	Elm Tree	Parish of Beresford.
Rev. C. J. Poirier	St. Therese	" " " (assistant)
Rev. Th. Vande Mortel	Belledune	" " " "
B. C. Mullins	Bathurst	Town of Bathurst.
J. Theo. Doucet	West Bathurst	Parish of Bathurst.
Rev. John Wheten	Bathurst	Assistant for Town and Parish.
Rev. J. Cooper	Bathurst	" " " " "
Jos. U. Landry	Grand Anse	Parish of New Bandon.
Henry Scott	Stonehaven	" " " (assistant)
Wm. Boudreau	Mizonette	" " " "
Rev. J. LeGarrec	Caraquet	" " Caraquet.
Rev. J. M. Pelletier	Lower Caraquet	" " " (assistant)
Rev. Theo. Hachey	Paquetville	" " Paquetville.
Rev. Geo. Bernier	St. Isidore	" " St. Isidore.
Rev. D. Robichaud	Inkerman	" " Inkerman.
Rev. F. X. Daigle	Pokemouche	" " " (assistant)
Rev. J. L. Chiasson	Shippegan	" " Shippegan.
Rev. Alfred Trudal	Lameque	" " " (assistant)
Rev. A. A. McKinnon	Miscou Centre	" " " "
Rev. Jos. M. Lavasseur	Tracadie	" " Saumerez.
Rev. Jas. G. Robichaud	Portage River	" " " (assistant)

ENTIRE SUB-DISTRICT OF GLOUCESTER.

Table No. I.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....	31	2	6.4	5.2
Scarlet Fever.....	1			
Typhoid.....	19	5	26.3	13.0
Measles.....	31	7	22.6	18.1
Smallpox.....	27			
Tuberculosis.....	2	2	100.0	5.2
Influenza.....	2			
Infantile Paralysis.....				
Other Notifiable Diseases.....	12			
Totals.....	125	16	12.8	41.3

TOWN OF BATHURST.

Table No. IA.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to •Cases	Deaths Per 100,000 Population
Diphtheria.....	7			
Scarlet Fever.....				
Typhoid.....	1	3	27.2	90.9
Measles.....	15	1	20.0	30.3
Smallpox.....				
Tuberculosis.....				
Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....				
Totals.....	23	4	17.4	120.4

ANNUAL FINANCIAL RETURN.

Table No. II.

GLOUCESTER SUB-DISTRICT BOARD OF HEALTH.

TO CHIEF MEDICAL OFFICER.

YEAR 1920-21.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1920		
Oct. 31	Amount voted by Council.....	\$7,500 00	Oct 31	Salaries:	
				Sanitary Inspector...	\$1,685 20
			to	S. D. Registrars.....	888 44
				Medical Inspection..	960 00
			1921	Secretary.....	1,087 37
			Oct 31	<i>Contagious Diseases:</i>	
				Smallpox	214 22
				Typhoid.....	357 50
				Incidental Expenses..	193 98
				Board Meetings.....	289 50
				Account due in 1920,	
				paid in 1921.....	811 15
				To Balance.....	1,012 64
		\$7,500 00			\$7,500 00

ANNUAL REPORT SUB-HEALTH DISTRICT OF
KENT
YEAR ENDING OCTOBER 31, 1921.

TO GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921.

F. J. DESMOND,
District Medical Health Officer.

MRS. B. E. JOHNSON, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.— Entire Sub-District, Table I.

CLOSURE OF HOUSES.— None.

GENERAL SANITARY CONDITION OF SUB-DISTRICT.— There have been cases of diphtheria in three different parts of the county, but the prompt action of the physicians in charge, with the help of the sanitary inspector in each case prevented the disease from spreading. There were several cases of typhoid throughout the county, mostly of a mild type. In and around Buctouche the situation at one time appeared quite serious, but with the help of Miss Maloney, Public Health Nurse, effective measures are being taken. Application was made to the Provincial Laboratory for equipment for taking water samples for analysis. In the meantime it was advised that all water used for drinking and domestic purposes be boiled.

There have been cases of scarlet fever, but in each instance the disease was confined to one case in the family. There were also several cases of tuberculosis reported. As terminal notices of these cases are seldom sent in to the Secretary, the mortality figures are not available. We have reason to believe that all cases of notifiable disease are not reported as they should be.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY. Reports from the sanitary inspectors show good results. In the Town of Richibucto, which is the most thickly populated portion of the county, the inspector visited all premises, which were found in satisfactory condition with the exception of a few, which the owners, on being notified, at once put in good sanitary condition. The inspector also investigated a complaint of bad sewerage which was found to be without foundation. He also visited the lobster factories at Richibucto Cape and found everything in good condition. The inspectors from the rural areas send favorable reports.

MEDICAL INSPECTION OF SCHOOLS.— On account of the refusal of the County Council to vote the funds for carrying on the work of the Board, the county has not been organized for Medical Inspection of schools.

GENERAL.— The County Council having refused to appropriate the necessary funds for the carrying on of the work of the Board, the Health Act was only put into force on the first of May, which accounts for no reports being made previous to that date.

COMPOSITION OF BOARD AND STAFF.

Members of Board.—F. J. Desmond, M.D., D. M. H. O., Chairman, Newcastle; R. G. Girvan, M.D., Rexton; A. T. LeBlanc, Richibucto; F. X. LeBlanc, Buctouche; Cavan Murray, Mundleville; Urbain Arseneau, Grand Digne.

Secretary.—Mrs. B. E. Johnson, Richibucto.

SANITARY INSPECTORS.

NAME	ADDRESS	AREA
Charles Williams	Kouchibouguac	Parish of Carleton.
Bonaventure Goguen	Acadieville	" " Acadieville.
Fidele Vautour	St. Louis	" " St. Louis and St. Charles
Alex. Hains	Richibucto	" " Richibucto.
John A. Oulton	Ford's Mills	" " Weldford.
Alonzo MacIntosh	Harcourt	" " Harcourt.
John D. Girouard	McLean Settlement	" " St. Paul.
Alyre Cormier	St. Anthony	" " St. Marie.
Cyril B. Leger	Buctouche	" " Wellington.
Amedee M. Gallant	Cocagne	" " Dundas

SUB-DEPUTY REGISTRARS.

Charles Williams	Kouchibouguac	Parish of Carleton.
Rev. A. J. Babineau	Acadieville	" " Acadieville.
Rev. Theo. Nadeau	St. Louis	" " St. Louis.
J. M. Daigle	St. Charles	" " St. Charles.
John A. Oulton	Ford's Mills	" " Weldford.
Rev. D. Robichaud	Adamsville	" " Harcourt.
Rev. Leonide Cormier	St. Paul	" " St. Paul.
Rev. Ph. Hebert	St. Marie	" " St. Marie.
Rev. J. V. Gaudet	St. Anne	" " Wellington.
Rev. F. Bourgeois	Cocagne	" " Dundas.
Mrs. B. E. Johnson	Richibucto	" " Richibucto.

FINANCIAL REPORT.—Table II.

Table No. I.

ENTIRE SUB-DISTRICT OF KENT.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases.	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	7	4	57.0	16.6
Scarlet Fever	2			
Typhoid	29	1	3.4	4.1
Measles				
Smallpox				
Tuberculosis	7	3	42.8	12.4
Influenza				
Infantile Paralysis				
Other Notifiable Disease				
Totals	45	8	17.7	33.4

Table No. II.

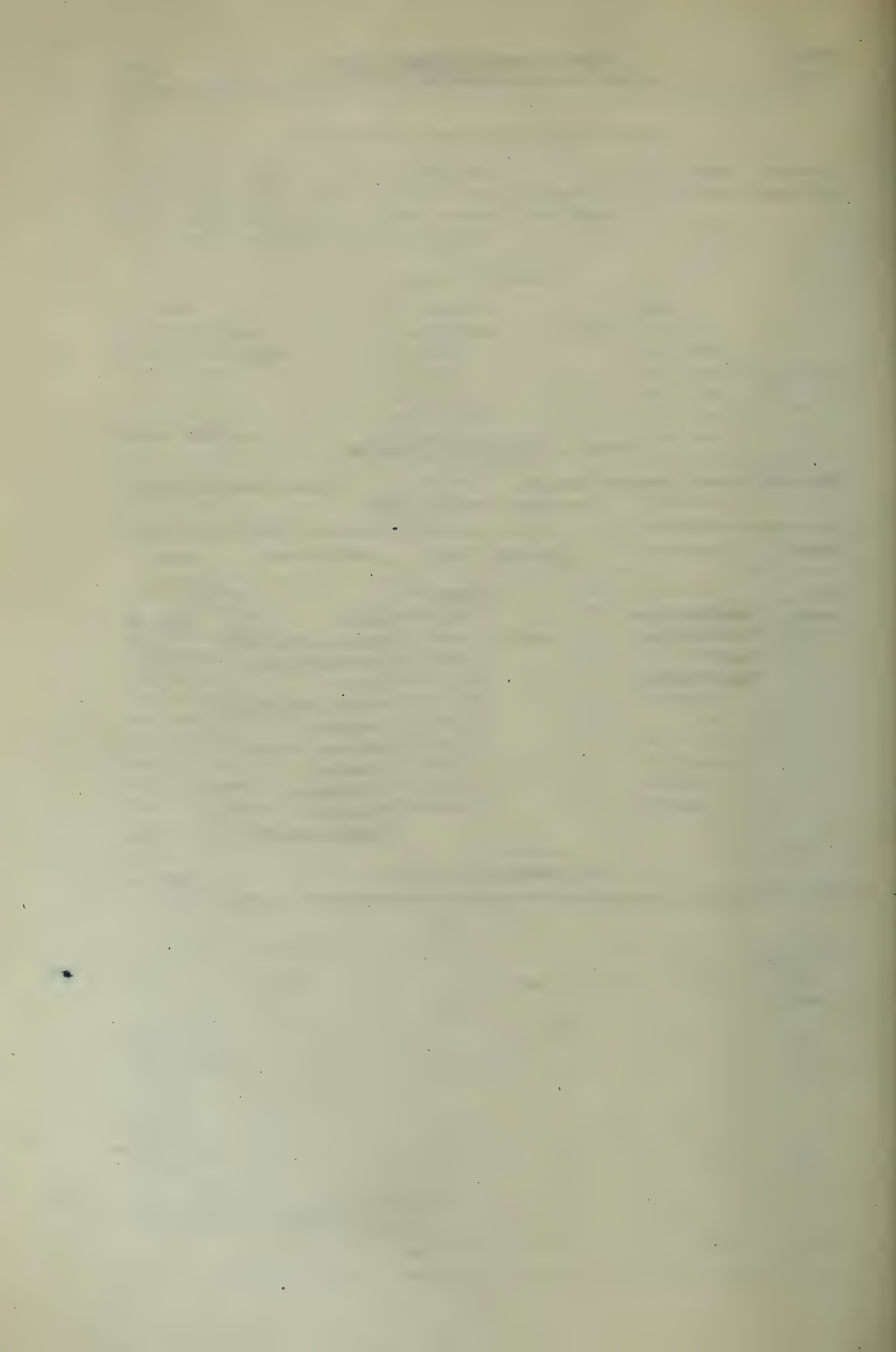
ANNUAL FINANCIAL RETURN.

KENT SUB-DISTRICT BOARD OF HEALTH.

TO CHIEF MEDICAL OFFICER.

Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921 March 14	Municipal Grant..... Provincial Loan..... Fees..... Other Revenue.....	\$962 50	1921 May to Oct.	Salaries..... Postage and Stationery Incidental Expenses... Vaccine..... Hospital and Medical Supplies..... <i>Contagious Diseases:</i> Smallpox..... Diphtheria..... Typhoid..... Balance on hand....	\$724 02 16 21 97 65 124 62
		\$962 50			\$962 50



ANNUAL REPORT SUB-HEALTH DISTRICT OF KINGS

YEAR ENDING OCTOBER 31, 1921.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

WM. WARWICK,
District Medical Health Officer.

A. E. PEARSON, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, Table I; Town of Sussex, Table IA.

There has been no epidemic during the year and very few notifiable diseases. As soon as the latter were reported, strict measures were used at once and they never became epidemic. All cases, however, I feel sure are not being reported by the doctors to the Secretary. Deaths from notifiable disease are not reported except to the Sub-Deputy Registrars of Vital Statistics — if they were reported by said Sub-Deputy Registrars to the Secretary, our records would be much more complete.

CLOSURE OF HOUSES.— None.

GENERAL SANITARY CONDITIONS of Sub-Health district are good. The people as a whole keep their premises fairly sanitary and are always willing to listen to advice on such matters.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— The Sanitary Inspector for the area of Westfield and Greenwich promptly attended to the placarding of all houses where notifiable diseases were reported and fumigating same later. He did all that was required of him, visiting and reporting upon all railway stations.

The Sanitary Inspector for the area of Hampton, Upham, Kingston and Rothesay, has been changed during the year. The new inspector has taken up his work faithfully.

The Sanitary Inspector for the area of Norton, Springfield and Kars has been called on to do some emergency work and has answered promptly, and has done the routine work promptly.

The Sanitary Inspector for the area of the town and parish of Sussex has had little work in the parish but has found the work in the town never ending — always something to do and somewhere to go, several people, in ignorance, creating nuisances for their neighbors, but the work has been carried on without friction with the citizens — all that was required was education.

The Sanitary Inspector for the area of Studholm and Havelock has conscientiously attended to his duties.

The Sanitary Inspector for the area of Cardwell, Waterford and Hammond has also done his duty.

All the Sanitary Inspectors have examined slaughter-houses and milk dealers' premises during the year — their work has been chiefly routine. Visited all villages in their areas during the early summer.

MEDICAL INSPECTION OF SCHOOLS.— The Medical School Inspectors have been doing their work this year but some seem to take too little interest to make it effective and I have no doubt much better work would be done by an inspector whose whole heart and time was in it.

LEGAL PROCEEDINGS.—In only one case was legal proceedings taken, viz., the refusal of a parent to have school child vaccinated, but at the trial evidence was produced by the defence to show that child had been taken to a physician and vaccination was done but there was no evidence that it was successful. On the ground that the prosecution was not able to prove wilful disobedience, the charge was dismissed. In one other case a funeral director refused to do that which the law called upon him to do and papers were issued against him, but before being served he complied with the law and promised to continue to do so.

GENERAL REMARKS.—Many doctors are, at least, careless of giving notices of births, but the Sub-Deputy Registrars of Vital Statistics get all that come to their notice either by hearing of them or seeing them mentioned in the local paper. Many undertakers find it impossible to get the certificates of death filled in by the doctors in time to get burial permits before burial, as the doctors leave them on their desks unsigned for days, often, but the undertakers invariably get them after a time.

The County Council refused to vote the estimates asked for, viz., \$7,500.00, of which \$2,500.00 was for deficit of previous year which had not been voted and \$5,000.00 for the present year. If the Government had not loaned the Board \$1,875.00 the Board would have been unable to function. The salaries of most officials are in arrears.

COMPOSITION OF BOARD AND STAFF.

Members of Board.—Dr. Wm. Warwick, D. M. H. O., St. John, Chairman; Dr. O. R. Peters, Rothesay; Col. O. W. Wetmore, M.P.P., Clifton; S. H. Flewwelling, Hampton; C. H. Perry, Sussex; A. D. Murray, Penobsquis.

Secretary.—A. E. Pearson, Sussex.

SANITARY INSPECTORS.

NAME	ADDRESS	AREA
Frank H. Rouse.....	Havelock.....	Parishes of Havelock and Studholm.
Marshall Stewart.....	Penobsquis.....	Parishes of Cardwell, Waterford and Hammond.
A. E. Pearson.....	Sussex.....	Town and Parish of Sussex.
William A. Reynolds.....	Norton.....	Parishes of Norton, Springfield and Kars.
G. Myles McCready.....	Hampton Station.....	Parishes of Hampton, Upham, Kingston and Rothesay.
R. Ford Walton.....	Oak Point.....	Parishes of Westfield and Greenwich.

MEDICAL SCHOOL INSPECTORS.

Dr. O. R. Peters.....	Rothesay.....	Rothesay Consolidated School. Parishes of Rothesay and Kingston
Dr. W. M. Jenkins.....	Gagetown.....	Parishes of Westfield and Greenwich.
Dr. F. H. Wetmore.....	Hampton Station.....	Hampton Consolidated School. Parishes of Hampton and Upham.
Dr. A. T. Leatherbarrow.....	Hampton Station.....	Kingston Consolidated School.
Dr. J. B. Gilchrist.....	Norton.....	Parish of Norton.
Dr. T. B. Fraser.....	Hatfield's Point.....	Parishes of Springfield and Kars.
Dr. W. H. White.....	Sussex.....	Sussex High School. Parishes of Studholm, Sussex, Cardwell, Waterford and Hammond.
Dr. C. A. King.....	Petitcodiac.....	Parish of Havelock.

SUB-DEPUTY REGISTRARS.

NAME	ADDRESS	AREA
Frank H. Rouse.....	Havelock.....	Parish of Havelock.
Marshall Stewart.....	Penobsquis.....	" " Cardwell.
J. H. DeForest.....	Waterford.....	" " Waterford.
Thos. J. Davis.....	R. R. 1, Sussex.....	" " Studholm.
A. E. Pearson.....	Sussex.....	Town and Parish of Sussex.
W. P. Fowler.....	Hammond Vale.....	Parish of Hammond.
W. A. Reynolds.....	Norton.....	" " Norton.
George T. Bates.....	Belleisle Station.....	" " Springfield.
George Bond.....	Hatfield's Point.....	" " Kars.
Theo. Reid.....	Upham Station.....	" " Upham.
G. Myles McCready.....	Hampton Station.....	" " Hampton.
W. E. Flewelling.....	Rothesay.....	" " Rothesay.
Adino P. Wetmore.....	Clifton.....	" " Kingston.
Chas. E. Stevens.....	Westfield Centre.....	" " Westfield.
R. Ford Walton.....	Oak Point.....	" " Greenwich.

FINANCIAL REPORT.—Table No. II.

Table No. I.

ENTIRE SUB-DISTRICT OF KINGS.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	22	2	9.1	9.8
Scarlet Fever.....	19	.....	.....	.....
Typhoid.....	6	.....	.....	.....
Measles.....	14	.....	.....	.....
Smallpox.....	.....	.....	.....	.....
Tuberculosis.....	2	.....	.....	.....
Influenza.....	.....	.....	.....	.....
Infantile Paralysis.....	.....	.....	.....	.....
Other Notifiable Disease.....	1	.....	.....	.....
Totals.....	64	2	3.1	9.8

TOWN OF SUSSEX.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1920-21.

DISEASE	No. of Cases.	No. of Deaths	
Diphtheria.....	6	1	
Scarlet Fever.....	10		
Typhoid.....			
Measles.....	2		
Smallpox.....			
Tuberculosis.....			
Influenza.....			
Infantile Paralysis.....			
Other Notifiable Diseases.....			
Totals.....	18	1	

ANNUAL FINANCIAL RETURN.

KINGS SUB-DISTRICT BOARD OF HEALTH.

TO CHIEF CLERK.

Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURE
1920			1920	
Nov. 29	Municipal Grant.....	\$1,000 00	and	Salaries.....
Dec. 29	Municipal Grant.....	1,800 00	1921	Postage and Stationery.....
1921				Incidental Expenses.....
Mar. 12	Provincial Loan.....	1,875 00		Overdraft, Nova Scotia.....
1920-21	Fees.....	148 00		Vaccine.....
1920-21	Grants.....	5 00		Unpaid.....

ANNUAL REPORT SUB-HEALTH DISTRICT
MADAWASKA

YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for trans-
Hon. the Minister of Health, for year 1920-21.

J. A.
District Medical

T. D. HEBERT, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.— Entire Sub-D
Town of Edmundston, Table IA.

CLOSURE OF HOUSES.— None.

GENERAL SANITARY CONDITIONS have been very fair in our Sub-D
We have had cases of smallpox in several of the parishes but it has always
for and kept from spreading.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— The San
of the Town of Edmundston made a careful house-to-house inspection of a
premises with very successful results. I may say that the Madawas
Board have this year put the whole county in a much better sanitary cond
before and same is due to the good work of our sanitary inspectors, and
Board in general.

MEDICAL INSPECTION OF SCHOOLS.— No full reports have yet been re
Medical Inspectors. Three of the inspectors have made their report and t
to do the work. Dr. P. H. Laporte has undertaken to do the work of the
refused to act.

LEGAL PROCEEDINGS.— It has been found necessary for the successfu
the Health Act, to take legal proceedings against three persons for neglect
orders of the Board through the sanitary inspectors.

COMPOSITION OF BOARD AND STAFF.

SANITARY INSPECTORS.—*Continued.*

DATE	ADDRESS	AREA
J. A. Charest.....	St. Jacques.....	Parish of St. Jacques.
Treffe Pelletier.....	St. Basil.....	" " St. Basil.
Octave Fournier.....	Green River.....	" " Green River.
Fred V. Cyr.....	Siegas.....	" " St. Anne.
Alderick Lapointe.....	St. Leonard.....	" " St. Leonard.
Andre P. Levesque.....	St. Andre.....	" " St. Andre.

MEDICAL SCHOOL INSPECTORS.

Dr. P. H. Laporte.....	Edmundston.....	Parishes of St. Francis, Clair, Baker Lake, Town of Edmund- ston, Parishes St. Hilaire, St. Leonard and St. Andre.
Dr. A. M. Sormany.....	Edmundston.....	Parish of St. Jacques.
Dr. E. Simard.....	Edmundston.....	Parishes of Madawaska, Green River, St. Anne.
Dr. E. A. Lagasse.....	St. Basil.....	Parish of St. Basil.

SUB-DEPUTY REGISTRARS.

Mrs. Xavier Albert.....	St. Francis.....	Parish of St. Francis.
Rev. A. Martin.....	Clair.....	" " Clair.
Rev. M. L. Richard.....	Baker Lake.....	" " Baker Lake.
Rev. J. Z. Lambert.....	St. Hilaire.....	" " St. Hilaire.
L. R. Belanger.....	Edmundston.....	Town of Edmundston and Parish of Madawaska.
J. A. Charest.....	St. Jacques.....	" " St. Jacques.
L. C. Martin.....	St. Basil.....	" " St. Basil.
Rev. C. J. Cyr.....	St. Anne.....	" " St. Anne.
Rev. A. Comeau.....	St. Leonard.....	" " St. Leonard.
Rev. E. Martin.....	St. Andre.....	" " St. Andre.

ENTIRE SUB-DISTRICT OF MADAWASKA.

Table No. I.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....	5	.....	.....	.....
Scarlet Fever.....	.....	.....	.....	.....
Typhoid.....	12	.....	.....	.....
Measles.....	.....	.....	.....	.....
Smallpox.....	16	.....	.....	.....
Tuberculosis.....	.....	.....	.....	.....
Influenza.....	.....	.....	.....	.....
Infantile Paralysis.....	.....	.....	.....	.....
Other Notifiable Diseases.....	.....	.....	.....	.....
Totals.....	33	.....	.....	.....

TOWN OF EDMUNDSTON.

Table No. IA.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases.	Deaths Per 100,000 Population
Diphtheria.....	1			
Scarlet Fever.....				
Typhoid.....	9			
Measles.....				
Smallpox.....	1			
Tuberculosis.....				
Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....				
Totals.....	11			

ANNUAL FINANCIAL RETURN.

Table No. II.

MADAWASKA SUB-DISTRICT BOARD OF HEALTH.

TO CHIEF MEDICAL OFFICER.

Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1920			1920		
Nov. 8	Note Discounted.....	\$1,000 00	Oct. 31	Overdrawn from Bank.	\$624 70
Dec. 24	Note Discounted.....	1,500 00		Cheques.....	23 86
	Municipal Grant.....	1,800 00		Salaries.....	1,315 21
	Provincial Grant, if any.			Postage and Stationery.	89 49
	Fees.....			Incidental Expenses....	175 58
	Other Revenue.....			Vaccine.....	40 00
	Fines.....	40 00		Hospital and Medical Supplies and Care....	238 58
				Contagious Diseases:	
				Small-pox.....	471 35
				Diphtheria.....	
				Typhoid.....	
				Epidemic Influenza...	
				Medical Inspection of Schools.....	1,459 00
	By Balance.....	195 54		Cheques not cashed...	55 59
				Overdrawn from Bank	42 18
		\$4,535 54			\$4,535 54

ANNUAL REPORT SUB-HEALTH DISTRICT OF NORTHUMBERLAND

YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

H. D. MORRIS, *Secretary.* F. J. DESMOND,
District Medical Health Officer.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, Table I; Town of Chatham, Table IA.; Town of Newcastle, Table IB.

The cases of notifiable disease for the entire county exceeded those reported for the previous year. Three outbreaks of typhoid fever occurred during the year, one at Beaver Brook and two at Chatham, the first outbreak at Chatham resulting in four deaths, the second, less serious, in one death. The situation was immediately reported to the District Medical Health Officer, and as a precautionary measure he ordered all drinking water boiled, and ordered samples of water taken from the town supply and five wells sent to the Provincial Laboratory. All were found to be fecally contaminated. The Miramichi and Hotel Dieu Hospitals admitted as many patients as they could accommodate, while registered nurses were placed in charge of those ill in their homes. In the second outbreak, those who could not be accommodated in the hospital were cared for in their homes by Miss Armstrong, the capable and efficient health nurse of Bay du Vin, whose services were secured through the efforts of the local Red Cross. Miss Armstrong and her successors in the work inoculated 140 persons in the area affected.

The Chief Medical Officer, Dr. Melvin, accompanied by the District Medical Health Officer and the Secretary, visited each house where the disease existed and after this investigation met the Town Council and once more impressed upon that body the necessity of installing a modern chlorinating system. They also urged the enactment of a by-law whereby owners of houses would be compelled to install water and sewerage where practicable.

Fifteen cases of diphtheria were reported during the year. In each instance, if the patient was attending a school, the room was closed until it was thoroughly washed and fumigated to prevent a further spread of the disease.

The number of deaths from tuberculosis is greater than reported last year. Of the twenty-eight reported in the entire Sub-District, nine occurred in one area — the Parish of Alnwick.

The Town of Newcastle has had few cases of notifiable disease during the year, as compared with the previous year. The case of typhoid fever which resulted in death, was supposedly contracted at Sydney, C. B.

There is a strong assumption that all of the notifiable diseases are not being reported.

CLOSURE OF HOUSES.— The Board feel that the housing conditions in the towns are not desirable, yet closing them would work great hardship to many.

GENERAL SANITARY CONDITIONS.— Considerable improvement is evident in the sanitary condition of the sub-health district. Apart from the outbreaks of typhoid at Chatham and Beaver Brook, the health of the Sub-District in general has been highly satisfactory. Prompt action on the part of the District Medical Health Officer and the Board and Secretary arrested the spread of the disease.

The general sanitary condition of outbuildings connected with schools has been much improved, due to notices sent by the Secretary and follow-up visits by the sanitary inspectors.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.—*Town of Chatham.*—During the first months of this year the Sanitary Inspector was obliged to go into another area to placard and fumigate houses where contagious disease existed as well as attend to other insanitary conditions. This action was necessary as the resident inspector was not at home. With the coming of spring a general notification to householders to clean up premises was cheerfully accepted and acted upon. The burial of dead animals was attended to in two instances. A carcass of meat unfit for human consumption was ordered destroyed.

Town of Newcastle.—There is a marked improvement in the sanitary condition of the Town of Newcastle, due to the untiring efforts of A. E. Petrie, who went on duty May first. He succeeded in having water and sewerage installed in houses where conditions were found insanitary. He is painstaking and willing to do any duty exacted of him, and his efforts have not been in vain.

Rural Areas.—As far as can be ascertained, and according to reports entered in books of the other sanitary inspectors in the county, they have conscientiously carried out all instructions, giving special attention to the condition of insanitary outhouses on school premises.

MEDICAL INSPECTION OF SCHOOLS, though not general throughout the county (owing to the Board not being able to procure physicians for this work), has been a success. Many children have received medical treatment through their suggestions. Schools and outbuildings have been made more comfortable and sanitary. Two areas had medical inspection for the first time during the term ending June, 1921. Five others have not yet had the service.

GENERAL REMARKS.—The cards supplied for reporting births and deaths are not generally used by the physicians. This is a serious matter as sub-deputy registrars have no other source from which to get this information.

The different services under the Health Act have made favorable progress during the year, and it is becoming more generally appreciated as the public become familiar with its regulations and the vast amount of good to be derived by the people of our province.

COMPOSITION OF BOARD AND STAFF.

Members of Board.—Dr. F. J. Desmond, D. M. H. O., Chairman; Dr. John Wier, Doaktown; Andrew McCabe, Newcastle; Dr. H. G. Vaughan, Chatham; James Godfrey, Black River Bridge; Fred Robichaud, Neguac.

Secretary.—H. D. Morris, Chatham.

SANITARY INSPECTORS.

NAME	ADDRESS	AREA
Michael Murray.....	Chatham.....	Town and Parish of Chatham.
Arthur E. Petrie.....	Newcastle.....	Town of Newcastle.
Maj. A. S. Cameron.....	Douglastown.....	Parish of Newcastle.
John S. Pond.....	Ludlow.....	" " Ludlow.
Bradford Ogilvie.....	Doaktown.....	" " Blissfield.
Thomas Dunn.....	Blackville.....	" " Blackville.
Fred S. Richard.....	Rogersville.....	" " Rogersville.
W. P. Kirk.....	Kirkwood.....	" " Nelson.
John Sutherland.....	Redbank.....	" " South Esk.
James Young.....	Whitney.....	" " North Esk.
J. J. Clarke.....	Millerton.....	" " Derby.
Enoch Godfrey.....	Centre Napan.....	" " Glenelg.
Wat Williston.....	Bay du Vin.....	" " Hardwicke.
Dr. P. J. Wallace.....	Covedell.....	" " Alnwick.

SUB-DEPUTY REGISTRARS.

NAME	ADDRESS	AREA
H. D. Morris.....	Chatham.....	Town of Chatham.
A. E. Petrie.....	Newcastle.....	" " Newcastle.
A. S. Cameron.....	Douglastown.....	Parish of Newcastle.
E. L. Morris.....	Chatham.....	" " Chatham.
John S. Pond.....	Ludlow.....	" " Ludlow.
Bradford Ogilvie.....	Doaktown.....	" " Blissfield.
Thomas Dunn.....	Blackville.....	" " Blackville.
Rev. W. E. Sormany.....	Rogersville.....	" " Rogersville.
W. P. Kirk.....	Kirkwood.....	" " Nelson.
J. J. Clarke.....	Millerton.....	" " Derby.
A. E. J. Sutherland.....	Red Bank.....	" " South Esk.
James Young.....	Whitney.....	" " North Esk.
Dr. P. J. Wallace.....	Covedell.....	" " Alnwick.
Enoch Godfrey.....	Centre Napan.....	" " Glenelg.
Wat Williston.....	Bay du Vin.....	" " Hardwicke.

MEDICAL SCHOOL INSPECTORS.

Dr. B. A. Marven.....	Chatham.....	Town and Parishes of Chatham, Hardwicke and Glenelg.
Dr. P. F. Duffy.....	Chatham.....	Town and Parish of Chatham.
Dr. R. Nicholson.....	Newcastle.....	Town and Parish of Newcastle.
Dr. John Wier.....	Doaktown.....	Parish of Ludlow and part of Parish of Blackville.
Dr. W. S. Logie.....	Chatham.....	Part Parish of Glenelg.

FINANCIAL REPORT — Table II.

ENTIRE SUB-DISTRICT OF NORTHUMBERLAND.

Table No. I.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....	57	5	8.8	14.8
Scarlet Fever.....	30	1	3.3	2.9
Typhoid.....	44	9	20.4	26.5
Measles.....	34	3	8.8	8.8
Smallpox.....	5			
Tuberculosis.....	28	28	100.0	81.2
Influenza.....	1	1	100.0	2.9
Infantile Paralysis.....				
Other Notifiable Diseases.....	4			
Totals.....	203	47	23.1	138.3

TOWN OF CHATHAM.

Table No. IA.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases.	Deaths Per 100,000 Population
Diphtheria.....	15	.....	.....	.....
Scarlet Fever.....	4	.....	.....	.....
Typhoid.....	31	5	16.1	111.1
Measles.....	1	1	100.0	22.2
Smallpox.....	1	.....	.....	.....
Tuberculosis.....	6	6	100.0	133.2
Influenza.....	.....	.....	.....	.....
Infantile Paralysis.....	.....	.....	.....	.....
Other Notifiable Diseases.....	2	2	100.0	44.4
Totals.....	60	14	23.3	310.7

TOWN OF NEWCASTLE

Table No. IB.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....	5	1	20.0	28.6
Scarlet Fever.....	2	.....	.....	.....
Typhoid.....	4	1	25.0	28.6
Measles.....	3	.....	.....	.....
Smallpox.....	.....	.....	.....	.....
Tuberculosis.....	3	3	100.0	85.8
Influenza.....	1	1	100.0	28.6
Infantile Paralysis.....	.....	.....	.....	.....
Other Notifiable Diseases.....	1	1	100.0	28.6
Totals.....	19	7	36.8	199.2

ANNUAL FINANCIAL RETURN.

Table No. II.

NORTHUMBERLAND SUB-DISTRICT BOARD OF HEALTH.

TO CHIEF MEDICAL OFFICER.

Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1920			1921		
Nov. 1	Balance on hand from		Nov. 1	Salaries.....	\$5,137 11
1921	1919 Provincial Loan..	\$243 98		Postage and Stationery..	24 56
Mar. 16	Loan from Provincial			Incidental Expenses....	276 26
	Government.....	4,770 58		Vaccine.....	57 00
	Fees.....			Water Analysis.....	55 00
Apr. 22	Other Revenue.....	78 95		Supplies (printed forms)..	112 78
	Bills Payable November			<i>Contagious Diseases:</i>	
	1, 1921.....	1,451 31		Smallpox	51 69
				Diphtheria, including	
				attendance Fee.....	374 81
				Typhoid.....	215 00
				Epidemic Influenza...	
				Scarlet Fever.....	187 75
				To Balance, Cash in	
				Bank.....	55 86
		\$6,547 82			\$6,547 82

ANNUAL REPORT SUB-HEALTH DISTRICT OF QUEENS

YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report for transmission to the Hon. the Minister of Health, for the year 1920-21.

WM. WARWICK,
District Medical Health Officer.

D. W. BABBIT, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, Table I. Of the eight diphtheria cases, four were in one family and were of a mild nature. In another family in another part of the county there were two cases. Twelve of the fourteen cases of scarlet fever were in Chipman and vicinity, a number of them being so mild that no physician was called in. The typhoid cases were practically all isolated ones, source of infection mostly indefinite and no secondary cases resulting. In common with the rest of the province, measles was very prevalent during the winter and although fifty-two cases were reported this was only a small proportion of those actually occurring. A few more cases of tuberculosis were reported than in the previous year, but even so, there were, no doubt, other cases.

The only deaths from notifiable disease reported to the secretary were one from scarlet fever and three from tuberculosis.

CLOSURE OF HOUSES.— None.

THE GENERAL SANITARY CONDITION of the Sub-District is good. The cases of notifiable disease reported have not been confined to any one locality, with perhaps the exception of the fourteen cases of scarlet fever, the greater number of which occurred in Chipman parish. This outbreak was given the personal attention of the District Medical Health Officer. No cases of influenza were reported during the year. The Inspectors report that people manifest a willingness to comply with the Board of Health requirements, and sanitary conditions this year show improvement.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— *Gagetown and Hampstead.*— Inspected area and found sanitary conditions much improved. Railway stations and school premises given special attention and these are now in satisfactory condition. One complaint of insanitary condition investigated and found same had been remedied.

Petersville.— Very few cases of notifiable disease. Sanitary condition of area reported as good. Stations and school premises given special attention with satisfactory results. One complaint made of insanitary conditions, which was at once investigated, and matter attended to.

Wickham, Johnston and Brunswick.— A number of cases of notifiable disease attended to. Made inspection of area and found conditions good with few exceptions. Several school premises not in required condition are being attended to. Stations in satisfactory state.

Cambridge and Waterboro.—Sanitary condition of area reported as very satisfactory. Stations and schools as having had attention. Necessary attention given cases notifiable disease.

Chipman.—Attended cases of notifiable disease reported. Inspected area and found same in good condition.

Canning.—Gives area good attention. Reports sanitary conditions improved. Railway stations and schools carefully inspected and they are now in satisfactory state. Cases notifiable disease attended to.

MEDICAL INSPECTION OF SCHOOLS has, during the last year, been carried on in a much more satisfactory manner than formerly. The work for the Sub-District is done by three Medical Inspectors,—Dr. H. B. Hay, Dr. A. B. Walter and Dr. W. M. Jenkins. The areas covered by these inspectors are necessarily large; they, however, for the fall term (1920) submitted full reports for all open schools in the Sub-District — total of 73.

LEGAL PROCEEDINGS.—Action was taken against a Board of School Trustees for refusal to clean the privies of their school. A fine of fifty dollars was imposed but allowed to stand, the costs being paid by defendants.

COMPOSITION OF BOARD AND STAFF.

Members of Board.—Wm. Warwick, M.D., D. M. H. O., Chairman, St. John; H. B. Bridges, Gagetown; Dr. A. B. Walter, Cambridge; Dr. A. F. Armstrong, Chipman; Wm. T. Snodgrass, Young's Cove Road; Jas. E. Anderson, Welsford.

Secretary.—D. W. Babbit, Gagetown.

SANITARY INSPECTORS.

D. C. Slipp.....	Hampstead.....	Parishes of Gagetown and Hampstead.
Herbert T. Hasson.....	Welsford.....	Parish of Petersville.
Cecil Ferris.....	Cambridge.....	Parishes of Wickham, Brunswick and Johnston (east of Washade-moak Lake.)
Chas. D. Titus.....	Jemseg.....	Parishes of Cambridge, Waterboro and Johnston (west of Washade-moak Lake).
E. A. Branscombe.....	Chipman.....	Parish of Chipman.
Wm. C. Upton.....	Minto.....	Parish of Canning.

MEDICAL SCHOOL INSPECTORS.

Dr. W. M. Jenkins.....	Gagetown.....	Parishes of Gagetown, Hampstead and Petersville.
Dr. A. B. Walter.....	Cambridge.....	Parishes of Wickham, Brunswick and Johnston.
Dr. H. B. Hay.....	Chipman.....	Parishes of Chipman, Canning and Waterboro.

SUB-DEPUTY REGISTRARS.

D. W. Babbit.....	Gagetown.....	Parish of Gagetown.
D. C. Slipp.....	Hampstead.....	" " Hampstead.
Mrs. Stanley Graham.....	Welsford.....	" " Petersville.
M. I. Carpenter.....	Wickham.....	" " Wickham.
Dr. G. E. Hetherington.....	Cody.....	" " Johnston.
R. H. Corey.....	Butternut Ridge.....	" " Brunswick.
Chas. Titus.....	Jemseg.....	" " Cambridge.
B. M. Barton.....	Cumberland Bay.....	" " Waterboro.
E. A. Branscombe.....	Chipman.....	" " Chipman.
Wm. Upton.....	Minto.....	" " Canning.

ENTIRE SUB-DISTRICT OF QUEENS. Table No. I.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
 YEAR 1920-21.

	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	8			
Scarlet Fever.....	14	1	7.1	8.5
Typhoid.....	10			
Measles.....	52			
Smallpox.....				
Tuberculosis.....	5	3	60.0	25.5
Influenza.....				
Other Notifiable Diseases.....	1			
Totals.....	90	4	4.4	34.2

ANNUAL FINANCIAL RETURN. Table No. II.

QUEENS SUB-DISTRICT BOARD OF HEALTH. TO CHIEF MEDICAL OFFICER.
 Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1920			1920		
Dec. 29 1921	Balance Municipal Grant	\$1,730 00	Nov. 1	Salaries.....	\$2,668 29
Mar. 12	Provincial Loan.....	825 00	to	Postage and Stationery..	69 47
	Fees.....		1921	Incidental Expenses.....	90 83
	Other Revenue.....		Oct.31	Vaccine.....	58 70
	Vaccine and Serum.....	3 60		Hospital and Medical Supplies.....	20 57
	Balance on hand, Octo- ber 31, 1920.....	1,108 27		<i>Contagious Diseases:</i>	
				Smallpox	113 00
				Diphtheria.....	
				Typhoid.....	
				Epidemic Influenza...	
				Balance on hand.....	646 41
		\$3,667 27			\$3,667 27

ANNUAL REPORT SUB-HEALTH DISTRICT OF
RESTIGOUCHE
 YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
 FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

F. J. DESMOND,
District Medical Health Officer.

N. BERNATCHEZ, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.— Entire Sub-District, Table I; Town of Dalhousie, Table IA; Town of Campbellton, Table IB.

There were outbreaks of smallpox and measles which were handled with great care and thus prevented the diseases from spreading.

THE GENERAL SANITARY CONDITION of the Sub-District has been fairly good this year.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— The Sanitary Inspectors have done efficient work in different parishes and towns in this Sub-District. The work done by each has been very satisfactory, and have been prompt in reporting cases that were under their jurisdiction. They have been attentive to their duties and especially where epidemic was imminent.

MEDICAL INSPECTION OF SCHOOLS was done during the year. All schools in the Sub-District were visited, and great care has been taken by the inspectors to remove notifiable diseases.

LEGAL PROCEEDINGS.— None.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. F. J. Desmond, D. M. H. O., Chairman, Newcastle; L. G. Pinault, M.D., Campbellton; A. C. Levesque, St. Quentin; Peter Barclay, Jacquet River; Polydore Dugas, Eel River Crossing; Andrew Barberie, Dalhousie.

Secretary.— N. Bernatchez, Campbellton.

SANITARY INSPECTORS.

NAME	ADDRESS	AREA
G. E. Asker.....	Campbellton.....	Town of Campbellton.
Hugh A. Marquis.....	Shives Athol.....	Parish of Addington.
Wm. W. Borden.....	Upsalquitch.....	" " Eldon.
Napoleon Garand.....	St. Quentin.....	" " Grimmer (part).
Leonidas Lemieux.....	Kedgwick.....	" " Grimmer (part).
Edw. Bernard.....	Balmoral.....	" " Balmoral.
Louis Giroux.....	Charlo Station.....	" " Colborne.
Charles Laughlan.....	Archibald Settlement..	" " Durham (part).
John Callahan.....	Jacquet River.....	" " Durham (part).

MEDICAL SCHOOL INSPECTORS.

NAME	ADDRESS	AREA
Dr. R. L. Ellis.....	Jacquet River.....	Parish of Durham, part of Parish of Colborne as far as New Mills, also including Herron Island.
Dr. N. Doucet.....	Dalhousie.....	Dalhousie Convent, Parish of Balmoral as far as Val d'Amour, Mountain Brook, St. Maure and Eel River Crossing.
Dr. G. R. Disbrow.....	Dalhousie.....	Public School, Shannon Vale, Dundee, Upper Charlo, Summerside and Dalhousie Junction.
Dr. A. Martin.....	Campbellton.....	Grammar School, McLeod and Val d'Amour.
Dr. D. Murray.....	Campbellton.....	Roseburry School, Eldon, Athol, Flatlands, Upsalquitch.
Dr. J. A. Dube.....	St. Quentin.....	Parish of Grimmer.

SUB-DEPUTY REGISTRARS.

Chas. Laughlan.....	Archibald Settlement..	Parish of Durham.
Rev. Fr. Cormier.....	Jacquet River.....	" " " (assistant)
Rev. J. B. Thibault.....	Kedgwick.....	" " Grimmer (assistant)
Rev. E. Martin.....	St. Quentin.....	" " "
Louis Giroux.....	Charlo Station.....	" " Colborne.
Edw. Bernard.....	Balmoral.....	" " Balmoral.
Rev. J. A. Allard.....	Val d'Amour.....	" " Balmoral (assistant)
Wm. W. Borden.....	Upsalquitch.....	" " Eldon.
Hugh A. Marquis.....	Shives Athol.....	" " Addington.
G. E. Asker.....	Campbellton.....	Town of Campbellton.
Catherine Phillips.....	Dalhousie.....	Town and Parish of Dalhousie.

FINANCIAL REPORT.—Table II.

ENTIRE SUB-DISTRICT OF RESTIGOUCHE. Table No. I.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases.	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	22	.....	.....	.....
Scarlet Fever.....	1	.....	.....	.....
Typhoid.....	35	.....	.....	.....
Measles.....	52	.....	.....	.....
Smallpox.....	26	.....	.....	.....
Tuberculosis.....	5	1	20.1	4.3
Influenza.....	.....	.....	.....	.....
Other Notifiable Diseases.....	.....	.....	.....	.....
Totals.....	141	1	0.71	4.3

TOWN OF DALHOUSIE.

Table No. IA.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.

YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases.	Deaths Per 100,000 Population
Diphtheria.....	7			
Scarlet Fever.....				
Typhoid.....				
Measles.....				
Tuberculosis.....				
Smallpox.....				
Influenza.....				
Other Notifiable Diseases.....				
Totals.....	7			

TOWN OF CAMPBELLTON.

Table No. IB.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.

YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	7			
Scarlet Fever.....				
Typhoid.....	4			
Measles.....				
Tuberculosis.....	3			
Smallpox.....	3			
Influenza.....				
Other Notifiable Diseases.....				
Totals.....	17			

ANNUAL FINANCIAL RETURN.

Table No. II.

RESTIGOUCHE SUB-DISTRICT BOARD OF HEALTH.

TO CHIEF MEDICAL OFFICER.

Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1920			1920		
Oct. 31	Balance in Bank.....	\$2,804 94	Oct.	Salaries.....	\$3,295 00
1921			to	Postage and Stationery.	15 50
Sept. 1	Municipal Grant.....	5,000 00	1921	Incidental Expenses....	27 15
			Oct.	Vaccine.....	37 50
				Hospital and Medical Supplies.....	204 00
				<i>Contagious Diseases:</i>	
				Smallpox, Typhoid and Diphtheria ex- penses for Supplies and Attendance....	1,139 60
				Balance.....	3,086 19
		\$7,804 94			\$7,804 94

ANNUAL REPORT SUB-HEALTH DISTRICT OF
ST. JOHN (CITY AND COUNTY)
YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

WM. WARWICK,
District Medical Health Officer.

T. M. BURNS, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.— Entire Sub-District, Table I: City of St. John, Table IA.

The total number of cases of notifiable disease reported was 262 less than for 1920. There were 25 fewer cases of diphtheria, 208 less of scarlet fever, 70 additional cases typhoid (including paratyphoids) 185 more of measles, 7 fewer cases of tuberculosis, 16 additional cases of other notifiable diseases. No cases of small-pox and none of influenza reported.

Very full investigations were carried on in typhoid cases by the City Medical Officer. In regard to typhoid cases, one family had six cases, three families had four and several had two. In most instances earlier cases were mild and no physician was called until other members of family were infected. In a number of families other members were inoculated with T. A. B. vaccine. In many cases infection was traceable to sources outside this sub-health district. In one instance ten cases in a village were all relatives of a case in which no physician was in attendance. Typhoid cases were much better reported than in 1920. The percentage of deaths to cases was very decidedly lower this year,— 8.57 (1920— 14.28). Of the total of nine deaths from typhoid, only six should properly belong to the city of St. John, as three cases removed from the county to the General Public Hospital, died there.

The total number of cases of notifiable diseases in the City of St. John was 290 less than in 1920. Of the various diseases there were 12 fewer of diphtheria; 156 fewer of scarlet fever; 64 more of typhoid (and paratyphoid); 52 more of measles and 10 less of tuberculosis and 14 more of other diseases. No smallpox and no influenza. (These cases are included in totals for entire Sub-District above.)

The percentage of deaths to cases of diphtheria this year is only a fraction lower than in 1920. This is capable of a much greater reduction if parents would realize the importance of calling in a physician in cases of seemingly slight "sore throats" or "croup" in young children.

The total number of deaths from tuberculosis is 73. This is made up from death certificates filed in the City of St. John, and terminal reports received from the County Hospital, physicians and sanitary inspectors but is probably short of the correct number occurring in the entire Sub-District.

Scarlet fever, measles and other notifiable diseases, such as whooping cough, claim about the usual small number of victims.

Thirty-five deaths actually occurred in the city from tuberculosis, and in addition there were twenty-nine city residents who died in the County Hospital, giving a correct total of sixty-four deaths.

CLOSURE OF HOUSES.—During the year, four houses were closed as being unfit for human habitation; three of these were repaired to the satisfaction of the Board and reopened.

GENERAL SANITARY CONDITION of Sub-Health District. There has been no decided change in the general sanitary condition of the district from that of the past year. As in other years, much of the time of the inspectors is devoted to yards and premises and this will continue to be so until the city adopts a system of collection and disposal of garbage. In a general way premises have been kept in a better condition than formerly.

The city authorities have laid a sewer in one short street not previously provided. Repeated efforts have been made to get the city to provide sewerage for some localities which are continually a menace through existing conditions.

East St. John is in about the same condition as last year, but there seems to be somewhat more hope of that locality either becoming incorporated or joining the city. As a result of filling-in operations near the Municipal Home it was found necessary to extend the sewer from that Institution and the County Hospital to deep water, this being done by the St. John Shipbuilding and Dry Dock Company.

In the North End of the city a big improvement has resulted from the deepening of the Newman Brook (so-called) and the building of a concrete trunk sewer.

Reference to the Plumbing Inspector's report will show that a considerable number of privies have been done away with where premises could be connected with sewers.

The general sanitary condition of a number of houses has been investigated and improvements suggested have been carried out.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.—The Chief Inspector made 165 special inspections, investigated and reported upon 536 cases of infectious and contagious diseases, made 553 miscellaneous calls, seized 2,986 pounds of meat which was unfit for human consumption and destroyed same, and assisted in the work of dairy and food inspection.

Inspector Kelly assisted the Chief Inspector. He made 1,347 inspections of yards and 50 of barns and stables.

The Plumbing Inspector reports that plumbing was installed in 172 houses, 880 fixtures being put in, and that 54 privies were done away with.

The Dairy and Food Inspector reports 595 inspections at premises where milk and cream is produced for sale in this Health District; that he collected 572 samples of milk for examination as to butter fat, 331 for examination as to bacteria and made 1,113 sediment tests; that 330 visits were made to the slaughter-houses.

The assistant Food Inspector made 2,553 inspections of bakeries, restaurants and shops, and issued 305 permits to sell milk in shops.

MEDICAL INSPECTION OF SCHOOLS. — *City Schools.*—Data for the year since last report for Medical Inspection work in the schools of St. John, where approximately 8,000 pupils were enrolled. All examined at the beginning of each term for communicable ailments, number requiring exclusion steadily decreasing (this September but a total of 16 of which 13 scabies). Memoranda of chronic defects made in passing at this time resulted in special examination of those cases later, with notification of parents, totalling for year ending June:

469 cases of enlarged diseased tonsils, defective nasal breathing.

156 cases of defective vision.

250 cases of anaemia or poor general condition.

247 cases of markedly defective teeth, and other special ailments.

Of throat cases, 350 were operated upon at the outdoor clinic of the General Hospital.

Additionally, all Grade II children were given the "complete physical" examination and record cards made, about 1,000 pupils, and those examined the year before reseen as to action having been taken. Nearly 40% of mothers were present when their children of Grade II were examined, a very great factor of encouragement and of success in obtaining results.

The school nurse reports improved conditions as regards cleanliness, but a rough average of 10% infected with pediculosis is still high for our city schools.

The five Victorian Order Nurses in training at the city centre were given a course of lectures, and four mornings each of practical work in the schools, to assist them in their work of rural centres; and the staff nurses of the same Institution made regular visits to the five free Kindergartens with very beneficial results in keeping health to the standard there. Whenever possible, five minute health talks were given in the schools but time does not allow of this work being regularly developed.

County Schools.—This service has been much more satisfactory during the past year and has resulted in very many cases of chronic defects in schools near the city being remedied. Much good has also resulted in controlling infectious diseases. Many insanitary conditions have been done away with in the rural schools with a general raising of the standard of buildings and premises.

LEGAL PROCEEDINGS.—Fifteen cases were taken before the Police Magistrate as follows: Infringement of milk regulations, 9; infringement of food regulations, 6. Convictions were obtained in all cases. Fines were collected in each case.

FINANCIAL REPORT.—Table II.

COMPOSITION OF BOARD AND STAFF.

Members of Board.—John Kelly, Chairman, St. John; Dr. Wm. Warwick, D. M. H. O., St. John; Mrs. R. J. Hooper, St. John; George Blake, St. John; Dr. L. M. Curren, St. John; Walter H. Golding.

Secretary.—T. M. Burns.

SANITARY INSPECTORS.

NAME	ADDRESS	AREA
S. McConnell.....	St. John.....	City of St. John.
C. Hayden Kelly.....	St. John.....	" " " (assistant).
LeBaron B. Jordan.....	Loch Lomond Road...	Parish of Simonds.
Thomas E. Nugent.....	St. Martins.....	" " St. Martins.
Chas. Gillis.....	Fairville.....	Parishes of Lancaster and Musquash.

MEDICAL SCHOOL INSPECTORS.

Dr. M. L. Hanington.....	St. John.....	City of St. John.
Dr. J. R. Nugent.....	St. John.....	Parish of Simonds.
Dr. H. E. Gillmor.....	St. Martins.....	" " St. Martins.
Dr. O. Comeau.....	Fairville.....	Parishes of Lancaster and Musquash.

SUB-DEPUTY REGISTRARS.

T. M. Burns.....	St. John.....	City of St. John.
LeBaron B. Jordan.....	Loch Lomond Road...	Parish of Simonds.
Thos. E. Nugent.....	St. Martins.....	" " St. Martins.
Chas. Gillis.....	Fairville.....	" " Lancaster.
Alex. Corscadden.....	R. F. D. 2, Lepreaux...	" " Musquash.

OTHER OFFICERS AND PERMANENT OFFICIALS.

Dr. C. M. Pratt.....	St. John.....	Medical Officer.
Dr. T. Fred Johnston.....	St. John.....	Dairy and Food Inspector.
Mrs. J. S. Flewelling.....	St. John.....	Assistant Food Inspector.
Mrs. M. Armstrong.....	St. John.....	School Nurse.
Richard Walsh.....	St. John.....	Plumbing Inspector.
Miss E. Burns.....	St. John.....	Stenographer.
Miss S. E. Brophy.....	St. John.....	Tuberculosis Nurse.
Mrs. S. Murphy.....	St. John.....	Matron Isolation Hospital.
Francis Murphy.....	St. John.....	Ambulance Driver.
J. Roy Campbell, K. C.....	St. John.....	Solicitor.

Table No. I.

ENTIRE SUB-DISTRICT OF CITY AND COUNTY OF ST. JOHN.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.

YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....	178	11	6.18	18.2
Scarlet Fever.....	131	3	2.29	4.9
Typhoid.....	105	9	8.57	14.8
Measles.....	273	5	1.83	8.2
Smallpox.....				
Tuberculosis.....	99	40	40.40	65.6
Influenza.....				
Infantile Paralysis.....	3			
Other Notifiable Diseases.....	32	4	12.15	6.5
Totals.....	821	72	8.80	118.8

Deaths from Tuberculosis are reported, with few exceptions, from the city only, as county deaths do not come through this office.

CITY OF ST. JOHN.

Table No. IA.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.

YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....	164	10	6.09	21.2
Scarlet Fever.....	123	3	2.43	6.3
Typhoid.....	93	9	9.67	18.9
Measles.....	128	5	3.90	10.6
Smallpox.....				
Tuberculosis.....	88	*35	39.77	74.2
Influenza.....				
Infantile Paralysis.....	1			
Other Notifiable Diseases.....	28	4	14.28	8.4
Totals.....	625	66	10.56	139.9

*Plus 29 deaths of city residents in East St. John Hospital. Corrected rate 135.68 per 100,000

ANNUAL FINANCIAL RETURN. Table No. II.

ST. JOHN SUB-DISTRICT BOARD OF HEALTH. TO CHIEF MEDICAL OFFICER.
Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1920			1920		
Nov. 1	Municipal Grant	\$25,756 54	Nov. 1	Salaries	\$18,120 01
to	Provincial Grant, if any.	265 00	to	Postage and Stationery	
1921	Fees	265 00	1921	Incidental Expenses . . .	
Oct. 31	Other Revenue	402 50	Oct 31	Vaccine	
				Hospital and Medical	
				Supplies	7,550 96
				Contagious Diseases:	
				Smallpox	
				Diphtheria	
				Typhoid	
				Epidemic Influenza	
				Balance on hand	753 07
		\$26,424 04			\$26,424 04

ANNUAL REPORT SUB-HEALTH DISTRICT OF
SUNBURY
YEAR ENDING OCTOBER 31, 1921.

TO GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

J. A. WADE,
District Medical Health Officer.

J. W. GILMOR, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.—Table I. This Sub-District has had, this year, but few cases of the more serious diseases; only three cases of diphtheria, three of typhoid fever, with seventeen of a very mild form of influenza and fifty-five of a mild form of measles. One death from diphtheria.

CLOSURE OF HOUSES.—No house has been closed as unfit for habitation.

GENERAL SANITARY CONDITION OF SUB-DISTRICT.—The Sub-District is in good sanitary state, yet there is room for improvement. Where the inspectors have found unfavorable conditions, and pointed them out, making suggestions and giving instructions as to improvements that should be made, the people as a rule have manifested a willingness to apply the remedy with little or no delay. In a few instances, however, the inspectors have had to be very firm and then the desired result has been obtained. I learn that as the people are getting better acquainted with the Health Act, and its requirements, they are taking a greater interest in making their surroundings more desirable.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.—*Parish of Blissville.*—Three cases of measles were reported. Two schoolhouses that were in a very unsatisfactory state have been greatly improved, and several private premises have been put in better sanitary condition.

Parish of Burton.—One case of typhoid fever, one of diphtheria with two cases of mumps, fifty-two of measles and seventeen of a very mild form of influenza, were reported. A cesspool and sewer that, it was alleged, were the means of polluting water used for household purposes, were put in proper condition to prevent the trouble.

Parish of Gladstone.—One case of typhoid fever and two of diphtheria, with death of a child from the latter disease.

Parish of Lincoln.—One case of typhoid fever. Sanitary condition good.

Parish of Maugerville.—No cases of notifiable disease, and sanitary condition very satisfactory.

Parish of Northfield.—This area was without a sanitary inspector for some months. In the latter part of June, Mr. G. S. Branscombe was appointed to fill the vacancy. He went over the area and gave instructions, where necessary, as to what would have to be done to put and keep premises in proper sanitary condition. A number of places, in Minto particularly, have been very greatly improved. No notifiable diseases have been reported.

Parish of Sheffield.—A few cases of measles that were not fully reported, occurred in this area, but were confined to one or two families. An outhouse in connection with the railway station was reported to be in a very bad state. Instructions were given to have the matter remedied, but no further report has been received from the sanitary inspector.

MEDICAL INSPECTION OF SCHOOLS has been carried out very faithfully in this Sub-District by the medical inspectors.

LEGAL PROCEEDINGS.—None.

GENERAL.—In June, last, Mr. E. H. Cady, of Minto, resigned from the membership of the Board. Dr. H. B. Lawson was appointed as his successor, in September. The death of Mr. William Patterson, of Lincoln, deprived the Board of a highly valued member, whose services will be greatly missed.

Mr. Geo. S. Branscombe, of Minto, was appointed Sanitary Inspector and Sub-Deputy Registrar of Vital Statistics, for the area of Northfield.

Dr. J. A. McIntyre located at Oromocto in October.

COMPOSITION OF BOARD AND STAFF.

Members of Board.—Dr. J. A. Wade, D. M. H. O., Chairman, Fredericton; Alex. Burnett, Oromocto; Geo. W. Bailey, M.D., Fredericton Junction; A. R. Miles, (Maugerville) R. R. 2, Fredericton; H. B. Lawson, M.D., Minto.

Secretary.—John W. Gilmor, Oromocto.

SANITARY INSPECTORS.

NAME	ADDRESS	AREA
Benj. Parsons.....	Hoyt.....	Parish of Blissville.
G. W. Kimball.....	Oromocto.....	" " Burton.
D. A. Duplisea.....	Fredericton Junction..	" " Gladstone.
J. G. Noble.....	Russiangornis.....	" " Lincoln.
N. B. Day.....	R. R. 2, Fredericton...	" " Maugerville.
G. S. Branscombe.....	Minto.....	" " Northfield.
F. W. Barker.....	R. R. 1, Maugerville..	" " Sheffield.

MEDICAL SCHOOL INSPECTORS.

Dr. Geo. W. Bailey.....	Fredericton Junction..	Parishes of Blissville, Gladstone, Lincoln and Burton (rear).
Dr. R. T. Kierstead.....	Sheffield.....	Parishes of Northfield, Sheffield, Maugerville and Burton (front).

SUB-DEPUTY REGISTRARS.

John W. Gilmor.....	Oromocto.....	Parish of Burton.
Benj. Parsons.....	Hoyt.....	" " Blissville.
D. A. Duplisea.....	Fredericton Junction..	" " Gladstone.
J. G. Noble.....	Russiangornis.....	" " Lincoln.
N. B. Day.....	R. R. 2, Fredericton...	" " Maugerville.
G. S. Branscombe.....	Minto.....	" " Northfield.
F. W. Barker.....	R. R. 1, Maugerville..	" " Sheffield.

ENTIRE SUB-DISTRICT OF SUNBURY. Table No. 1.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
 YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....	3	1	33.3	16.4
Scarlet Fever.....				
Typhoid.....	3			
Measles	55			
Smallpox				
Tuberculosis.....				
Influenza.....	7			
Infantile Paralysis.....				
Other Notifiable Diseases.....	2			
Totals.....	80	1	1.20	16.4

ANNUAL FINANCIAL RETURN.

Table No. II

SUNBURY SUB-DISTRICT BOARD OF HEALTH.

TO CHIEF MEDICAL OFFICER.

Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1920			1920		
Oct. 31	Balance.....	\$697 06	Oct.	Salaries.....	\$912 50
1921	Municipal Grant.....		to	Postage and Stationery.....	42 57
Mar. 11	Government Loan.....	575 00	1921	Incidental Expenses....	106 46
	Fees.....		Oct.	Hospital Supplies.....	68 50
	Other Revenue.....			Balance.....	142 03
		\$1,272 06			\$1,272 06

ANNUAL REPORT SUB-HEALTH DISTRICT OF
VICTORIA
YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.
Chief Medical Officer.
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

J. A. WADE,
District Medical Health Officer.

GERTRUDE I. McPHAIL, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES. — Entire SUB-DISTRICT, Table I;
Town of Grand Falls, Table IA.

GENERAL SANITARY CONDITION OF SUB-HEALTH DISTRICT has been good during the past year. The inspectors made their yearly inspection in the Spring and later on inspected railway stations and school buildings. The usual complaints regarding dead horses, dumps, pig pens, etc., have been attended to promptly. We have had very few cases of notifiable disease.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— In the area of *Perth* no cases of notifiable disease have been reported. The few complaints have been easily remedied by the inspector. The Women's Institute gave valuable assistance in the Spring clean-up campaign.

The area of *Andover* has had no cases of notifiable disease. A complaint was laid regarding a barn in the village of Andover, which the sanitary inspector investigated and the place was properly cleaned up. The inspector made his yearly inspection in June with good results.

In *Grand Falls* area there has been trouble over a sewer in the Town of Grand Falls. This matter has not been settled so far but will be taken up again in the Spring when we hope for co-operation from the Town Council. There have been several cases of typhoid fever at Grand Falls, these cases have been traced to the drinking water. A new water system in Grand Falls is greatly needed.

Plaster Rock in the *Parish of Gordon* has had several cases of typhoid fever, all of a very mild type. These the District Medical Health Officer investigated and traced to a well, which he ordered closed. A complaint was made regarding a sewer in the village — the sanitary inspector had the matter attended to.

MEDICAL INSPECTION OF SCHOOLS.— The Medical School Inspectors have done good work in this sub-district and where the parents have followed out the instructions, a marked improvement has been found in the children. The inspectors' reports for this year's work are not yet in but the work is being done more thoroughly this year than previously.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. J. A. Wade, D. M. H. O., Chairman, Fredericton; Dr. L. Chapman, Grand Falls; J. J. Sirois, Grand Falls; L. Rivers, Aroostook Junction; H. Tatlock, Plaster Rock; C. L. Olmstead, Perth.

Secretary.— Miss G. I. McPhail, Perth.

SANITARY INSPECTORS.

NAME	ADDRESS	AREAS
J. E. Armstrong.....	Perth.....	Parish of Perth and part Gordon.
J. J. Scott.....	Andover.....	" " Andover.
E. C. Wilson.....	Grand Falls.....	Town and Parish of Grand Falls.
A. E. Ridgewell.....	Plaster Rock.....	Parishes of Gordon (part) and Lorne.

MEDICAL SCHOOL INSPECTORS.

Dr. J. D. Coffin.....	Plaster Rock.....	Parish of Lorne and that part of the Parish of Gordon north of the Arthurette Bridge.
Dr. R. W. L. Earle.....	Perth.....	Parish of Perth and that part of the Parish of Gordon south of the Arthurette Bridge, also Lerwick school, Parish of Drummond.
Dr. A. F. MacIntosh.....	Andover.....	Parish of Andover, also Costigan school, McLeod school (in California Settlement) and Four Falls school, all in the Parish of Grand Falls.
Dr. Claude Guy.....	Grand Falls.....	All schools in the Parish of Drummond, included on and North of the Tobique Road as far as Peterson, inclusive also of the Tobique Road, excepting Lerwick.
Dr. L. Chapman.....	Grand Falls.....	All schools in the town of Grand Falls, also Grand Falls Portage, Gillespie Settlement, down the River Road to Limestone school, inclusive, and California Settlement.

SUB-DEPUTY REGISTRARS.

Mrs. Amos Gaunce.....	Riley Brook.....	Parish of Lorne.
A. W. Ridgewell.....	Plaster Rock.....	" " Gordon.
G. I. McPhail.....	Perth.....	" " Perth.
J. J. Scott.....	Andover.....	" " Andover.
Rev. F. Dugal.....	Drummond.....	" " Drummond.
J. J. Sirois.....	Grand Falls.....	Town of Grand Falls.
J. J. Sirois.....	Grand Falls.....	Parish of Grand Falls.

FINANCIAL REPORT.— Table II.

ENTIRE SUB-DISTRICT OF VICTORIA
Table No. I.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21:

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....				
Scarlet Fever.....	6			
Typhoid.....	17			
Measles.....				
Smallpox.....				
Tuberculosis.....	1			
Influenza.....				
Other Notifiable Diseases.....				
Totals.....	26			

TOWN OF GRAND FALLS.
Table No. IA.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases.	No. of Deaths	Per Cent. of Deaths to Cases.	Deaths Per 100,000 Population.
Diphtheria.....	1			
Scarlet Fever.....				
Typhoid.....	11			
Measles.....				
Smallpox.....				
Tuberculosis.....				
Influenza.....				
Other Notifiable Diseases.....				
Totals.....	12			

ANNUAL FINANCIAL RETURN.

Table No. II.

VICTORIA SUB-DISTRICT BOARD OF HEALTH,

TO CHIEF MEDICAL OFFICER.

Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1920		
Oct.	Municipal Grant	\$2,500 00	Oct.	Salaries	\$1,886 00
	Balance Oct. 31, 1920 . .	2,018 02		Postage and Stationery .	8 50
				Incidental Expenses . . .	114 66
				Hospital and Medical	
				Supplies	84 66
				<i>Contagious Diseases:</i>	
				Smallpox	
				Diphtheria	
				Typhoid	
				To Balance	2,349 57
		\$4,518 02			\$4,518 02

ANNUAL REPORT SUB-HEALTH DISTRICT OF
WESTMORLAND
YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
 Chief Medical Officer,
 FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

F. J. DESMOND,
District Medical Health Officer.

C. E. NORTHRUP, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES will be found in Table I, IA, IB, IC and ID accompanying this report, which shows a much more favorable condition than the previous year, viz., a falling off of about fifty per cent. which must prove very satisfactory not only to the Hon. the Minister of Health, who takes such a deep interest in these matters, but also to the residents of the district which we serve. The records for the incorporated towns are favorable and show little material difference from last year, except Shediac and Sackville, where there was in the fall of 1920 and early months of 1921 an epidemic of measles. The City of Moncton showed a falling off of notifiable diseases of the same proportion as is recorded for the entire Sub-District of Westmorland, viz., fifty per cent. and consequent reduction in the mortality and all-round decrease in the number of contagious diseases as described above, in the sub-health district in the space of one year, is very gratifying to the men whose special duty it is to keep a watchful eye upon general sanitary conditions.

CLOSURE OF HOUSES.— During the year there has been only one house closed as unfit for habitation; many have been investigated and much needed repairs have been made in many tenement houses. One serious difficulty the Board labors under along this line, is the great scarcity of houses and the excessively high rents. These conditions compel many people to accept tenements which, if houses were more plentiful, would be more easily rectified.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— To give an outline of the work of each sanitary inspector would be only largely a repetition, as the general work of all follows along the same lines. They make their annual inspection in the spring, of cities, towns and villages, during May and June, in their districts, and when conditions are not good and where accumulations of refuse are found (deposits made during the winter) they are instructed to have them removed and given a reasonable time for clearing up. These conditions were looked after carefully by the sanitary inspectors, also the quarantining of all cases of contagious diseases reported, and fumigating the premises, when a patient recovers, and giving general instructions as to proper cleaning of rooms, etc.

The sanitary inspectors for the several areas have done a large amount of work during the past year, much of it at times, of an arduous nature. The only inspector in our sub-health district who devotes his whole time to the work of the Board is Mr. George E.

Irving, for the City of Moncton. In addition to the spring inspection covering the entire city, he has made over twelve hundred extra calls in the sections which required the most care, also visiting weekly, meat and fish stores, public cafes and all places of that nature, to see that they are kept clean and in a sanitary condition.

The sanitary condition of Westmorland county has been very much improved during the past year. Our inspectors have visited many school buildings where conditions were reported not up to requirements and many improvements have been made as the result of said visits. All the railway stations in the county have also been looked after by the inspectors and many suggestions for the improving of sanitary conditions have been carried out.

Among other outstanding matters supervised by the Board's inspectors have been piggeries, some of which have been removed to a greater distance from the public highway; and slaughter-houses, one of which was done away with altogether.

The Federal Government has been engaged during the present year in the construction of a large Round House and laying many miles of sidings in the parish of Moncton. Just outside the city much ground has been removed and large spaces have been filled in for the laying of tracks; this has employed about four hundred men and some three or four of these men were taken ill with typhoid. The District Medical Health Officer was at once conferred with, who came down and went over the situation thoroughly. Some four samples of water were taken from places where the men secured their drinking water and were sent to the Provincial Laboratory, and on the result of analysis, one well was closed for the time until improvements were carried out. (Drainage was changed). Where surface drainage might affect the water the well was thoroughly cleaned and purified. There have been no further cases of typhoid — a record of only twenty-nine cases of typhoid in the entire sub-district for the past twelve months is rather a pleasing feature for our annual report.

MEDICAL INSPECTION OF SCHOOLS has gone steadily forward during the past year. There has been no change in the staff and they are becoming more familiar with the class of work that is required of them and from being in personal touch with them and their work, I am convinced they are interested in it and are doing better work than it was possible for them to do upon its introduction.

There is at present a Red Cross Nurse working in the public schools of Moncton and Sackville under the supervision of the Medical School Inspectors. They can be very helpful in this line of work and are co-operating with the respective medical school inspectors. They were furnished by the Red Cross Society and at the request and approval of the Department of Health.

LEGAL PROCEEDINGS.— During the year many legal notices were served, and some three or four letters sent out by our Solicitor. We have found those served reasonably willing to meet the views of the Board of Health as far as possible, consequently we have not had to carry any cases before the Police Magistrate.

VITAL STATISTICS.— The securing of accurate statistics of a community is a very important feature and in the past New Brunswick has been much behind other provinces in this respect. This work has now been put on a systematic basis under the Department of Health, as evidenced by the statistics as herein shown. During the past twelve months, for the entire county, — 443 marriages, 1,602 births and 651 deaths, making the natural increases of population for the County of Westmorland— 951. For the City of Moncton, — marriages, 222; births, 625, and deaths, 243.

The Department owes a debt of gratitude to clergymen and physicians of the sub-health district of Westmorland for their generous co-operation in helping to secure such splendid results for our sub-districts as the above figures reveal. The value to each individual, when necessary, to be able to secure an official record of birth, parentage, etc., from the public records kept by the Government, is becoming better understood and more valued as the years pass, and in future will prove a great boon to hundreds.

The population of the City of Moncton as taken by a competent man who has performed this duty for the past fourteen years, being employed by the Board of School Trustees, for the year 1920 was 20,333.

The mortality recorded for the city for the present year was 243. The deaths of people from outside the city brought to the hospitals for treatment was 40, making Moncton's mortality 203, or the very low figure of 10 per thousand — a remarkably low record.

GENERAL.—The District Medical Health Officer, in company with myself, has visited several places in the sub-health district during the year, and personally, I have gone out of the city myself on several occasions to assist in adjusting some difficult matter, or to look into conditions reported insanitary and more difficult than usual. Doctor Desmond has always responded promptly when I required his help and advice. I hereby record my sincere thanks for his hearty co-operation.

The school at Hildegarde, Parish of Moncton, was closed in the winter of 1921 some three weeks on account of a sharp epidemic of diphtheria. This course was considered best by the Trustees as well as by the Board. Before re-opening, the school building was cleaned thoroughly and then painted inside. The school at Robichaud's Corner, in Shediac parish, was closed for a few days and cleaned, on account of the outbreak of smallpox there, in midsummer.

We have accomplished much during the past year along the various lines of activity laid down by the Department of Health, but we are laying the foundation for a more extended and larger work in the years to come, which we shall strive to accomplish.

FINANCIAL REPORT.—Table II.

COMPOSITION OF BOARD AND STAFF.

Members of Board.—Dr. F. J. Desmond, D. M. H. O., Chairman, Newcastle; H. C. Charters, Moncton; W. A. Gass, Sackville; A. C. Chapman, Port Elgin; Dr. A. Sormany, Shediac; Simeon Melanson, Pre d'en Haut.

Secretary.—C. E. Northrup, Moncton.

SANITARY INSPECTORS.

NAME	ADDRESS	AREA
Geo. E. Irving.....	Moncton.....	City of Moncton.
C. A. Bleakney.....	Sunny Brae.....	Parish of Moncton.
Frank Sentell.....	Salisbury.....	" " Salisbury.
Camille Melanson.....	Pre d'en Haut.....	Town and Parish Dorchester.
G. M. Cook.....	Sackville.....	" " " Sackville.
Geo. C. Copp.....	Baie Verte.....	Parish of Westmorland.
Mathew Murray.....	Little Shemogue.....	" " Botsford (eastern).
Patrick Cormier.....	Little Cape.....	" " Botsford (western).
Clovis Basterache.....	Shediac.....	Town and Parish of Shediac.

MEDICAL SCHOOL INSPECTORS.

Dr. H. H. Coleman.....	Moncton.....	Edith Cavell and Aberdeen schools
Dr. F. A. Richard.....	Moncton.....	Wesley St. and Mary's Home schools.
Dr. A. Sormany.....	Shediac.....	Town of Shediac and Eastern end of Parish.

MEDICAL SCHOOL INSPECTORS.— *Continued*

NAME	ADDRESS	AREA
Dr. M. A. Oulton.....	Shediac.....	Part Parish Shediac (— District No. 11 to 26 inclusive.)
Dr. H. B. Barnhill.....	Bayfield.....	Parish of Botsford.
Dr. H. C. B. Allen.....	Port Elgin.....	" " Westmorland.
Dr. C. L. Gass.....	Sackville.....	Parish and Town of Sackville.
Dr. C. E. Gaudet.....	St. Joseph.....	Parish of Dorchester.
Dr. Chas. A. King.....	Petitcodiac.....	" " Salisbury.
Dr. H. A. Jones.....	Moncton.....	Parish of Moncton, West of McLaughlin Road.
Dr. L. N. Bourque.....	Moncton.....	Parish of Moncton, East of McLaughlin Road.

SUB-DEPUTY REGISTRARS.

Camille Melanson.....	Pre d'en Haut.....	Parish of Dorchester.
G. M. Cook.....	Sackville.....	" " Sackville.
Geo. C. Copp.....	Baie Verte.....	" " Westmorland.
Mathew Murray.....	Little Shemogue.....	" " Botsford.
Frank Sentell.....	Salisbury.....	" " Salisbury.
C. A. Bleakney.....	Sunny Brae.....	" " Moncton.
Clovis Basterache.....	Shediac.....	" " Shediac.
Rene Doiron.....	Shediac.....	Town of Shediac.
J. W. Wheeler.....	Sackville.....	" " Sackville.
H. M. Lambert.....	Sunny Brae.....	" " Sunny Brae.

MONCTON, N. B., NOVEMBER 16, 1921.

TO SUB-DISTRICT BOARD OF HEALTH
of Westmorland, Moncton.

SIRS:

I have the honor to report for the year ending October 31, in respect to the plumbing and drainage of buildings in this City.

The following tabulated statement will show the nature and extent of the work supervised by the Department during the year.

Kind of Buildings	Class of Work	W. C.	Sinks	Baths	Basins	Permits	Inspections
Single Dwellings.	New	70	66	66	63	65	115
Tenements	"	63	62	64	56	27	38
Stores and Offices	"	41	21	5	33	18	45
Old Buildings...	Repairs	62	62	57	39	68	129
	Totals	236	211	192	191	178	327

Respectfully submitted,

WESLEY BINGHAM,
Plumbing Inspector.

ENTIRE SUB-DISTRICT OF WESTMORLAND. Table No. I.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
 YEAR 1920-21.

DISEASE	No. of Cases.	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....	35	10	28.5	18.8
Scarlet Fever.....	54	1	1.8	1.8
Typhoid.....	29	1	3.4	1.8
Measles.....	263	3	1.1	5.6
Smallpox.....	9			
Tuberculosis.....	10	10	100.0	18.8
Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....	13			
Totals.....	413	25	6.05	46.8

CITY OF MONCTON. Table No. IA.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
 YEAR 1920-21.

DISEASE	No. of Cases.	No. of Death	Per Cent. of Deaths to Cases.	Deaths Per 100,000 Population
Diphtheria.....	17	4	23.5	22.9
Scarlet Fever.....	28			
Typhoid.....	10			
Measles.....	44	1	2.2	5.7
Smallpox.....				
Tuberculosis.....	7	7	100.0	39.9
Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....				
Totals.....	106	12	11.3	68.7

TOWN OF SACKVILLE

Table No. IB.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....				
Scarlet Fever.....	6			
Typhoid.....				
Measles.....	107			
Smallpox.....				
Tuberculosis.....				
Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....	13			
Totals.....	126			

TOWN OF SHEDIAC.

Table No. IC.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases.	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population.
Diphtheria.....	5	1	20.0	50.7
Scarlet Fever.....				
Typhoid.....	7	1	14.3	50.7
Measles.....	98	1	1.0	50.7
Smallpox.....				
Tuberculosis.....	1	1	100.0	50.7
Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....				
Totals.....	111	4	3.6	202.7

TOWN OF SUNNY BRAE.

Table No. 1D.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE

YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	1			
Scarlet Fever.....	2			
Typhoid.....				
Measles.....	1			
Smallpox				
Tuberculosis.....	2	2	100.0	153.8
Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....				
Totals.....	6	2	33.3	153.8

ANNUAL FINANCIAL RETURN.

Table No. II.

WESTMORLAND SUB-DISTRICT BOARD OF HEALTH.

TO CHIEF MEDICAL OFFICER.

Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1920			1920		
Oct.	Municipal Grant.....	\$10,000 00	Oct.	Secretary's Salary.....	\$1,800 00
to			to	Sanitary Inspectors.....	3,350 00
1921			1921	Medical School Inspec-	
Oct.			Oct.	tors.....	1,925 00
				Sub-Deputy Registrars..	600 00
				Contagious Diseases:	
				Smallpox	980 28
				Diphtheria.....	
				Typhoid.....	
				Epidemic Influenza	
				Incidental Expenses...	125 00
				Vaccine, printed forms.	181 78
				Overdraft	462 94
		\$10,000 00			\$10,000 00

ANNUAL REPORT SUB-HEALTH DISTRICT OF
YORK
YEAR ENDING OCTOBER 31, 1921.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1920-21.

J. A. WADE,
District Medical Health Officer.

J. S. SCOTT, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, Table I; Town of Marysville, Table IA; Town of Devon, IB.

GENERAL SANITARY CONDITIONS.— The brook flowing through the village of Stanley was reported in an insanitary condition. Case was looked into by our sanitary inspector and cleaned up in a very satisfactory manner, with no further complaint. Conditions about a slaughter-house in the Town of Millville were very bad, also a small brook that was insanitary. These were placed in a very satisfactory condition by the sanitary inspector of that area, and the slaughter-house was removed from the village.

The sanitary inspectors as a whole, were active in seeing that all school privies and all things connected in any way for the benefit of the children's health were carried out during the midsummer holidays.

MEDICAL INSPECTION OF SCHOOLS.— All schools were inspected and reported on in a satisfactory manner.

LEGAL PROCEEDINGS.— None.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. J. A. Wade, D. M. H. O., Chairman, Fredericton; Thomas Brewer, Hawkshaw; Alexander Brewer, Burt's Corner; M. L. Jewett, M.D., Millville; Dr. B. H. Dougan, Harvey Station; W. B. Dayton, Devon.

Secretary.— John S. Scott, Fredericton.

SANITARY INSPECTORS.

NAME	ADDRESS	AREA
Beverley Lawrence.....	Burt's Corner.....	Parishes of Bright and Douglas.
Hugh W. Smith.....	Canterbury Station...	Parishes of Canterbury and North Lake.
Edgar C. McDonald.....	Pinder.....	Dumfries, Queensbury and Southampton.
Thomas Clifford.....	McAdam.....	Parish of McAdam.
Ernest Bell.....	Taymouth.....	Parishes of Stanley, St. Mary's and New Maryland.

SANITARY INSPECTORS.—*Continued.*

NAME	ADDRESS	AREA
S. Allen Robinson.....	Harvey Station.....	Parishes of Prince William, Manners-Sutton and Kingsclear.
Samuel Stafford, Jr.....	Marysville.....	Town of Marysville.
Leo F. Hayes.....	Devon.....	Town of Devon.
Walter Mersereau.....	Napadogan.....	Napadogan and vicinity.

MEDICAL SCHOOL INSPECTORS.

Dr. A. E. Gardiner.....	McAdam Junction....	Parish of McAdam.
Dr. M. L. Jewett.....	Millville.....	" " Southampton.
Dr. W. A. McKenzie.....	Prince William.....	Parishes of Prince William and Queensbury.
Dr. O. E. Morehouse.....	Mouth Keswick.....	Parish of Bright and Districts 6, 7, 7½, 8 and 9 in Douglas.
Dr. B. M. Mullin.....	North Devon.....	Parishes of Stanley and St. Mary's, including Devon and Marysville.
Dr. B. W. Robertson.....	Mouth Keswick.....	Parishes Bright (part) and Kingsclear.
Dr. B. H. Dougan.....	Harvey Station.....	Parish of Manners-Sutton.
Dr. J. G. Owens.....	Hawkshaw.....	Parish of Dumfries and District 13 in Canterbury.
Dr. W. L. Turner.....	Meductic.....	Parishes of Canterbury No. 12 and North Lake

SUB-DEPUTY REGISTRARS.

Mrs. E. M. Jewett.....	Burt's Corner.....	Parish of Bright.
Wm. H. Scott.....	Canterbury Station...	" " Canterbury.
Lloyd B. Johnston.....	Nashwaaksis.....	" " Douglas.
Hilda Allen.....	Hawkshaw.....	" " Dumfries.
B. W. Fox.....	R. R. 6, Fredericton..	" " Kingsclear.
Inez A. Davis.....	Harvey Station.....	" " Manners-Sutton.
Gertrude J. Hay.....	McAdam Junction....	" " McAdam.
Delia G. Haining.....	R. R. 5, Fredericton..	" " New Maryland.
Mrs. Alice Vantassel.....	Fosterville.....	" " North Lake.
Mrs. Oscar Morris.....	Prince William Sta....	" " Prince William.
Frank McFarlane.....	Southampton.....	" " Southampton.
I. C. Morrison.....	R. R. 2, Lr. South- ampton.....	" " Queensbury.
Ernest Bell.....	Taymouth.....	" " St. Mary's.
D. J. Griffiths.....	Stanley.....	" " Stanley.
Samuel Stafford, Jr.....	Marysville.....	Town of Marysville.
William Jeffrey.....	Devon.....	" " Devon.

FINANCIAL REPORT.—Table II.

ENTIRE SUB-DISTRICT OF YORK.

Table No. I.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	22	2	9.0	6.2
Scarlet Fever.....	21			
Typhoid.....	11			
Measles.....	26			
Smallpox	6			
Tuberculosis				
Influenza	2			
Infantile Paralysis.....				
Other Notifiable Diseases.....	1			
Totals.....	91	2	2.2	6.2

TOWN OF MARYSVILLE.

Table No. IA

CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	12			
Scarlet Fever.....	2			
Typhoid.....	1			
Measles.....				
Smallpox				
Tuberculosis				
Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....				
Totals.....	15			

TOWN OF DEVON Table No. 1B.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASE.
 YEAR 1920-21.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	2			
Scarlet Fever.....	6			
Typhoid.....	2			
Measles.....	3			
Tuberculosis.....				
Influenza.....	3			
Smallpox.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....	1			
Totals.....	17			

ANNUAL FINANCIAL RETURN. Table No. 11.
 YORK SUB-DISTRICT BOARD OF HEALTH. TO CHIEF MEDICAL OFFICER.
 Year Ending October 31, 1921.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1920					
	Balance of Municipal			Salaries.....	\$5,655 00
	Grant.....	\$1,200 00		Postage and Stationery.....	57 83
Dec. 15	Municipal Grant.....	6,000 00		Incidental Expenses...	160 80
	Fees.....			Vaccine.....	96 54
	Other Revenue.....			Hospital and Medical	
	Balance on hand, 1920..	844 83		Supplies.....	174 12
	Rebate, smallpox case..	20 00		Contagious Diseases.	
	Accrued Interest.....	5 21		Smallpox.....	355 24
				Diphtheria.....	93 65
				Typhoid.....	27 00
				Epidemic Influenza...	27 50
				To Balance.....	1,422 36
		\$8,070 04			\$8,070 04

DEPARTMENT OF HEALTH
NEW BRUNSWICK.

FIFTH ANNUAL REPORT

OF THE

Chief Medical Officer

TO THE

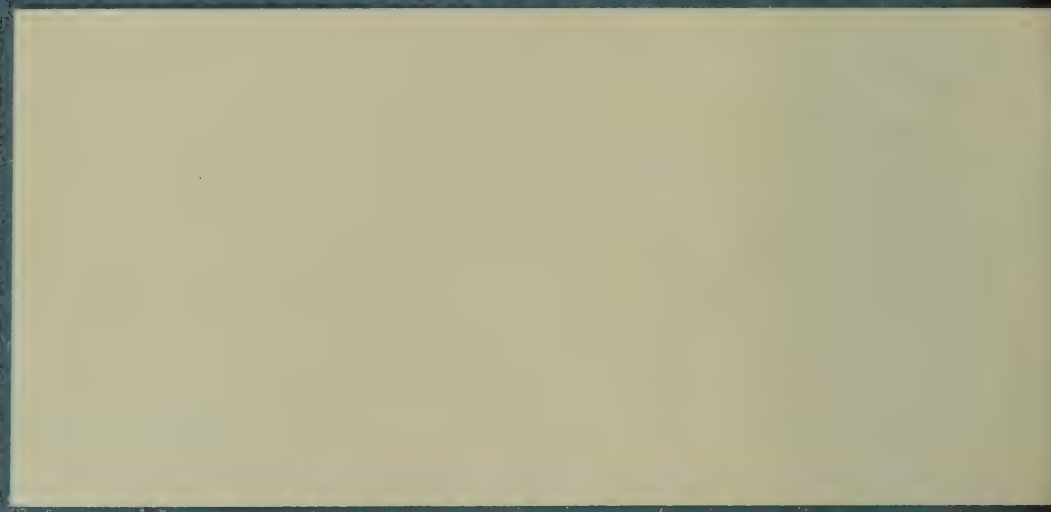
MINISTER OF HEALTH

FOR THE YEAR ENDING OCTOBER 31,

1922



PRINTED FOR THE LEGISLATURE, 1923.



DEPARTMENT OF HEALTH
NEW BRUNSWICK.

FIFTH ANNUAL REPORT

OF THE

Chief Medical Officer

TO THE

MINISTER OF HEALTH

FOR THE YEAR ENDING OCTOBER 31,

1922



PRINTED FOR THE LEGISLATURE, 1923.



To His Honor

THE HONORABLE WILLIAM PUGSLEY, D.C.L., P.C.,

Lieutenant Governor of the Province of New Brunswick.

May it Please Your Honor:

I beg to submit the Fifth Annual Report of the Chief Medical Officer of the Province of New Brunswick for the year ending October 31, 1922.

I have the honor to be, Sir,

Your obedient servant,

WILLIAM F. ROBERTS,

Minister of Health.

CONTENTS.

REPORT OF THE CHIEF MEDICAL OFFICER:

	PAGE
In General.....	7
Sanitation.....	10
Medical Inspection of Schools.....	13
Vital Statistics.....	16
Births.....	16
Marriages.....	17
Deaths.....	17

APPENDICES:

I. Report of Chief of Laboratories.....	1
II. Reports of District Medical Health Officers:	
Eastern Health District (Dr. Desmond).....	15
Western Health District (Dr. Wade).....	17
Southern Health District (Dr. Warwick).....	18
Report of Director of Nurses.....	20
Report of Director of Venereal Clinics.....	23
III. Reports from Sub-Health Districts:	
Albert.....	27
Carleton.....	31
Charlotte.....	37
Fredericton.....	43
Gloucester.....	47
Kent.....	51
Kings.....	55
Madawaska.....	59
Northumberland.....	65
Queens.....	71
Restigouche.....	75
St. John (City and County).....	79
Sunbury.....	85
Victoria.....	89
Westmorland.....	93
York.....	103

BUREAU OF HEALTH.

The Hon. WM. F. ROBERTS, M.D., Chairman, St. John.

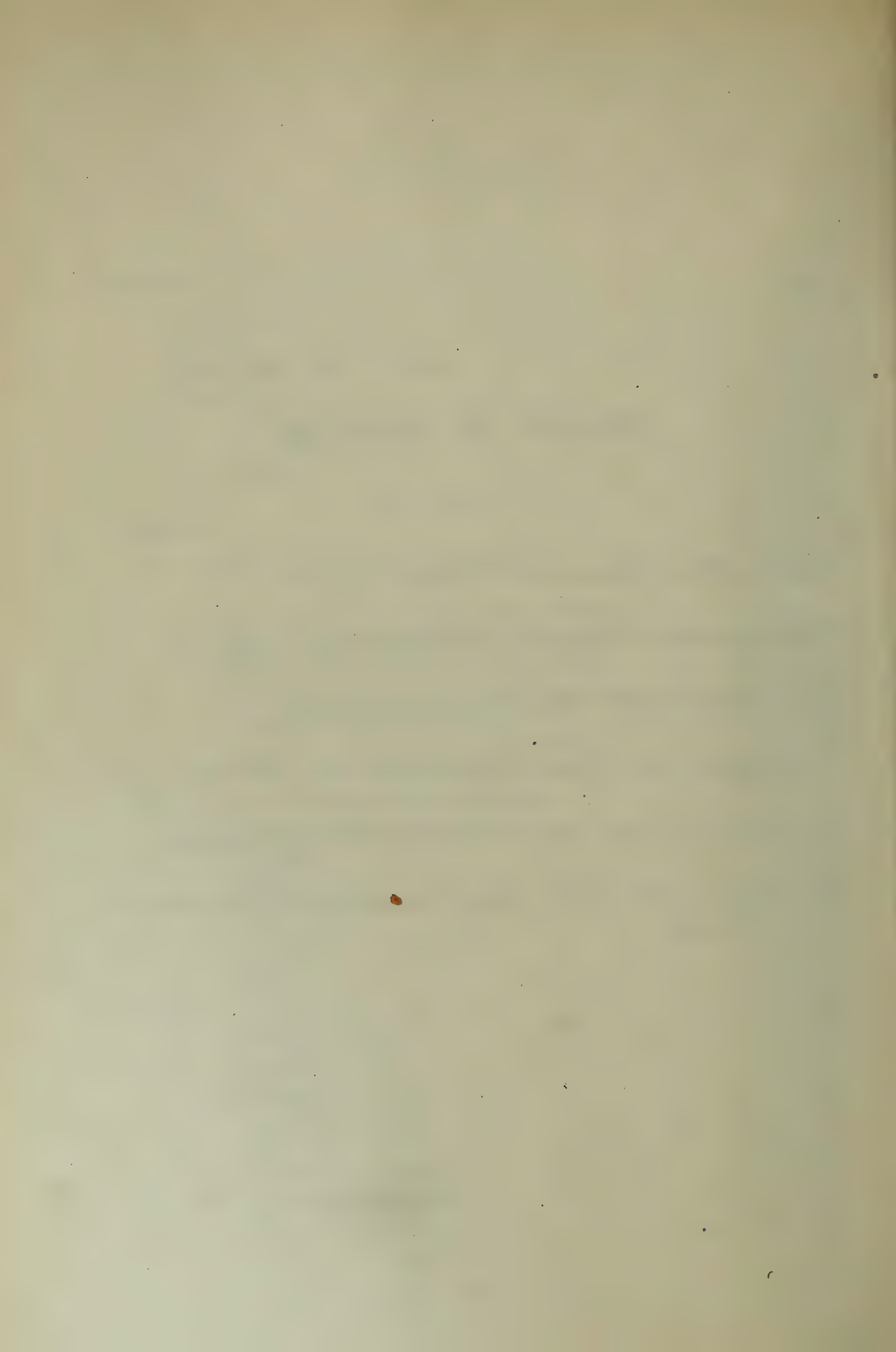
GEO. G. MELVIN, M.D., D.P.H., Chief Medical Officer, Fredericton.

H. L. ABRAMSON, M.D., Chief of Laboratories, St. John.

F. J. DESMOND, M.D., District Medical Health Officer, Newcastle.

J. A. WADE, B.A., M.D., District Medical Health Officer, Fredericton.

WM. WARWICK, M.D., D.P.H., District Medical Health Officer, Secretary,
St. John.



FIFTH ANNUAL REPORT OF THE CHIEF MEDICAL OFFICER TO THE MINISTER OF HEALTH.

To the HON. WM. F. ROBERTS, M.D.,
Minister of Health.

SIR:

I herewith submit my Fifth Annual Report as Chief Medical Officer of this Province for the year ending October 31, 1922.

In accordance with my former reports, this report consists (1) of the part submitted, directly by myself, including as Registrar General the Vital Statistics of the province for the calendar year 1921; (2) reports to you through this office by the various members of the Bureau of Health and two of our other staff officers, and those from the various Sub-District Boards of Health, throughout the province.

The report of the Director of Laboratories will be found in Appendix I; those of the District Medical Health Officers in Appendix II, including that of the Director of Nurses and of the Director of the Venereal Diseases Branch. Appendix III covers the annual reports of the Sub-District Boards of Health in alphabetical order.

In the report of Dr. Abramson, Director of Laboratories, it will be observed that the number of examinations for throat cultures has largely decreased as compared with 1921. Dr. Abramson ascribes this to a diminution of cases of diphtheria, as compared with the year before, and our figures for the province justify this opinion, in part at least. These figures for diphtheria, for the past three years, are fairly satisfactory, and are as follows: For 1920, 1921 and 1922, 469, 443 and 396 cases of this disease were reported for these years respectively. This is not a spectacular decline, but is, perhaps, for this very reason the more satisfactory and credible, as, the world over, such decreases, when effected by improved sanitary administration bear such ear-marks of gradual decrease, rather than the zig-zag yearly courses displayed by most communicable acute diseases when unaffected by artificial restriction.

The Director of Laboratories also very properly calls attention to the chemical work his laboratory was able to accomplish during the year. This has been the result of the establishment of a chemical branch in his institution, a branch the potentiality of which for good it is difficult to overestimate. I heartily support his plea for the permanent employment of a thoroughly competent chemist in this branch.

His remarks relative to the desirability of a greater use than at present of preventive serums for both diphtheria and typhoid are to be commended, as is indeed, his report, generally.

The narratives and remarks of the District Medical Health Officers, found in Appendix II, yield in interest and importance to no other part of this annual report. These officers are the mainstay of the Department in practical work and are of really fundamental consequence in the whole staff organization. Their brief contributions are worthy of most attentive perusal, and are especially significant because of the close contact with the general public to which their duties bring them. No other class of government officer, here, or elsewhere, in my opinion, can quite compete with the Medical Health Officer in downright usefulness and in unselfish devotion to the public welfare.

The few words devoted by Dr. Desmond to the Kelly's Beach incident cover a condition of destitution, deadly disease and abject misery that would be difficult to parallel even in countries popularly thought to be most backward.

Dr. Warwick's efforts to obtain the pasteurization of the milk supply of St. John are worthy of all praise and it is pleasant to know that his work in this regard seems likely soon to be successful. There can be no doubt, as he states, that no other single step in sanitation would do so much to conserve infant life as this. His appreciation of the diligence of the sub-deputy registrars in his health district, and their loyalty to the service, is grateful to me, in view of my intimate touch with that service as Registrar General.

The western health district to which Dr. Wade devotes unwearying energy presents one or two unique features. It comprises the major portion of the valley of the St. John, and presents a foreign frontier throughout its entire extent from north to south. Peculiar responsibilities attach to this district because of the latter fact, and the common good will and fidelity to public health service maintained on each side of the international line has done considerable for both province and state. Smallpox, during the past year, has given considerable trouble especially in the northern extremity of this district, and to a less notable degree in the extreme south, but in neither section was it ever permitted to assume a really epidemic character, and at the time of writing this disease is non-existent throughout the province. He reports in connection with this work no less than 1,000 vaccinations made personally, incidental to these sporadic outbreaks.

The place of the properly qualified nurse in health administration is one constantly growing in importance. In my fourth report I adverted to the recent engagement of Miss Harriet Meiklejohn as Director of Public Health Nursing for the province. During the year since elapsed Miss Meiklejohn has been most active in pushing this branch of the service and I recommend her report, herewith, to your careful attention and to that of the public. Much of her activities have been of an educative character by means of public addresses, meetings leading to co-operation, with various voluntary organizations, and individual interviews. In the short period noted it is

pleasant to be able to say that public health nurses have been permanently established at four important centers in the province. As an illustration of the vital results already obtained and to be confidently looked for in the future, Miss Meiklejohn reports that in one community where a public health nurse has been placed, "not one single infant death has occurred during the summer of 1922." It is along this very tremendously important line of conserving infant life that the public health nurse is peculiarly efficient, and no one will dispute that, whether from an individual or national standpoint, in no phase of human betterment endeavor can such work be given second place. Although making no mention of it in her report, her participation and that of her nurses in the incident of Kelly's Beach, already referred to, merits the highest commendation and markedly demonstrates the possibilities of humane action when directed by good organization and with fairly commensurate resources.

The brief review of Dr. McCarthy, Director of Venereal Diseases control, shows considerable progress in this important service. Four hundred and seven new cases of these diseases reported to him by the District Medical Health Officers were treated in the various clinics, but in his detailed report to this office, these were very unevenly distributed amongst the clinics, one or two of these stations reporting nearly negligible numbers. I will return to this point under recommendations. Although, doubtless, some exaggeration has been indulged in, in the course of popular literature and what not concerning the actual prevalence of these diseases, yet it cannot reasonably be doubted that a good many cases of these diseases have escaped reporting and, consequently remedial action. It is to be remembered, however, that an unknown number are probably under the hands of private practitioners. The problem of the control and eradication of these diseases is, perhaps, the most difficult subject confronting public health administration at present, and has been so found by nearly every province in Canada. Upon the whole, it is somewhat consolatory to know that New Brunswick is making about as much headway in this service as are her sister provinces, but we should not make this an excuse for any relaxation of effort.

The annual reports of the Sub-District Boards of Health deserve more than the passing notice, which only, here, can be given them. As compared with those in preceding years no indulgent view is required to see that sanitation, in its broad sense, is progressively improving throughout the province. Upon the vexed subject of sanitary inspectors (referred to further on) they throw a redeeming light. The tables attached to these reports require notice. Those concerning financial receipts and expenditures, it should be remembered, relate to the Provincial year 1921-22, that is to say cover two months operations of 1921, and only ten months of 1922. As, however, these Boards receive yearly grants from the Municipal Councils per calendar year, it will be apparent that the complexity thus introduced

by two yearly periods of different identity as respects elapsed time, serves to render a precise statement of finances somewhat difficult, so that such statement, in some instances at least, must be taken as only closely approximate rather than accurately definite.

It is with great regret that you will note the death of Mr. A. J. Wheeler, the assiduous and efficient secretary of the Fredericton Board, during the year. He has been replaced by his wife, Mrs. A. J. Wheeler, who is performing the duties of the office most satisfactorily.

GENERAL SANITATION.

It is to the reports of the sub-districts that recourse must be had, in a general way, for anything like a true picture of the present condition of the province, as regards nuisances and the prevalence of notifiable disease. With respect to the former point, almost everything in the way of progress, depends upon the secretary of the board and his sanitary inspectors. The latter officer has been the most criticized official connected in any way with this Department. Indeed, so persistent and pushing did this criticism (I omit to call it a prejudice) become from certain restricted quarters, that, as you know, authority was given at the last session of the Legislature, to sub-district boards, if they thought fit, to dispense with the services of this officer. With the greatest possible deference and respect to the authors of this measure I think I would not be doing my duty not to express my very settled conviction of the unwisdom of it. Nothing can properly take the place of such officer, and without him all hope of an improvement in the good order or tidiness and cleanliness of premises, to put the matter upon the commonest and most obvious plane, must be given up. In order to throw some light upon the undoubted usefulness of this officer I cannot do better than quote from those who know him best, that is to say the secretaries of the boards. Mr. Ketchum, of Carleton county, it will be noted, writes:

“Work of Sanitary Inspectors, Town of Woodstock. In the early “spring the customary notices as to ‘cleaning up’ were posted and the “inspector took pains to see, by a house-to-house examination, that the “orders were carried out. All public buildings, railway stations, schools, “hotels and places of public meetings were inspected and where not found “satisfactory were noted, and the owners duly instructed to carry out the “necessary changes, which was done. Parishes of Richmond and Wood- “stock. The inspector for this area filed reports of the work he carried on, “showing that he was very careful in the fulfillment of his duties. In the “cases of the villages of Benton and Debec, he made an inspection of the “buildings and looked carefully into the sanitary conditions of the “outhouses. In Debec he was much assisted in the formation of a village “improvement association which proved a valuable acquisition to the

"activities of the community. Slaughterhouses were inspected and a "close watch kept on conditions in this regard."

And again, in closing, the same gentleman says:

"I would like to say a word for the faithful work carried on by the "inspectors. When it is taken into consideration how entirely different "are the workings in the rural as compared to the urban districts, a real "debt of gratitude is due to the rural inspectors, who in their work have to "cover large areas, in going from one place to another. That the health "of the sub-district has been so excellent in the past year is to a great "measure due to the promptness and efficiency with which they have "performed their exacting and not too pleasant duties."

In this connection, also, Mrs. Johnson, Secretary of the Kent Board, the county last to be organized for health purposes, says:

"Of the fifteen cases of diphtheria reported the majority were in the "parish of St. Louis at different periods of the year. The sanitary inspector "of that area deserves special mention for his willingness and promptness "in performing his duties."

And, finally, Mr. Pearson, of Kings, remarks:

"The knowledge that there are sanitary inspectors has considerable "weight in a community, and instead of doing without any such official, "I believe still better results would obtain if each parish had a sanitary "inspector, making the amount of remuneration commen- "surate with the size and population of the parish, and each inspector "would then be nearer his work. When it is understood that the present "sanitary inspectors have received no pay for about two years and one-half, "they are to be commended for their faithfulness to their duties."

Quotations of like tenor might be made from almost every one of these sub-district reports but the foregoing must suffice because of lack of space.

The patrol inspection of towns and villages as laid down by Regulation 142, was much more general during the period under review than in 1921 and the small salary attached to the office in most instances alone prevented this most useful measure from becoming universal. That is to say, travelling expenses, when such places were far distant from the home of the inspector, made such inspection prohibitive unless the inspector chose to work for virtually nothing.

Several instances of especially serious nuisances I have given personal attention to. Some of them have been completely removed but others, three or four in number, two in connection with important railway stations, one in relation to a town and private owners, and one in a town, carried on by private owners, are still unsettled. The two town cases are in a fair way of settlement, but the railway cases, will, I fear, have to be brought into court.

Water Supply. My remarks of last year apply with almost equal cogency to the present period, viz., that "this continues to be one of the most engaging of our interests both with respect to its intrinsic importance and to the difficulty experienced in safeguarding it."

Several of the sources of supply which I have visited and examined during the year are of natural excellence, the catchment areas being uninhabited and mostly of woodland, and with some important exceptions, it is the individual, rather than the community supply that is of, and promises, the most evil. These danger spots are often of much difficulty in getting rid of, though many infected or dangerously situated wells have been closed during the year. Concerning the St. John supply the largest and, therefore, the most important with which we have to deal, an unremitting watchfulness has been applied to it, both by the District Medical Health Officer, Dr. Warwick, the Chief of Laboratories, and myself, and it is proper here to say that it cannot be too strongly insisted on that a removal from the catchment area both of the eastern and western supplies of imminently dangerous sources of pollution is imperative if a wide-spread epidemic of intestinal disease is to be permanently avoided.

Notifiable Diseases. Table No. I presents a bird's-eye view of this subject from a provincial standpoint. In many respects it is satisfactory. I have already under a former heading referred to the continued decrease in the incidence of diphtheria. It is pleasant to observe a like result in scarlet fever. The figures for 1920-21-22, are, respectively, 563, 342 and 313 cases, and for typhoid the progress in eradication is not less reassuring. The figures of cases for the latter disease are 421, 385 and 248 respectively for the three years beginning with 1920. While measles only bulked during the year to the insignificant total of 25 as compared with 996 the year before, yet, as I have pointed out in former reports no credit can be properly taken for this as this disease is, essentially, a quadrennial one in its decided onsets, and, further, one of the least controllable of all communicable acute affections. Smallpox, it is to be regretted showed some advance over 1921, but it at no time assumed an epidemic character. During the latter half of the year but few cases occurred, and, at the time of writing, as noted the disease is non-existent in the province. Nearly all the cases of the year were confined to two counties, and the actual figures 157, while larger by 39 than in 1921, yet fell immensely short of the number 485, which occurred in 1920.

At the risk of occupying inordinate space I do not think I should refrain from pointing out the present dangerous position with respect to this disease in which we stand, even in view of our fortunately largely vaccinated population. By universal consent of sanitary authorities, it is recognized that smallpox is, in general, increasing in incidence or prevalency, and, which is still more sinister, is quickly multiplying its virulence.

In illustration of both of these tendencies the case of a city of the medium size in the Western United States may be cited. During the past year 854 cases of smallpox were reported and of these cases no less than 263 deaths were recorded. This is a mortality rate of over 30 per cent., a rate approaching that of such terrific diseases as the bubonic plague, Asiatic cholera and yellow fever. Many other instances of like import have happened, of late, in the Western World, and in view of these facts, it stands us in stead, here in New Brunswick, not to relax for a moment our efforts to still further reduce the balance of our unvaccinated population.

Concerning the other notifiable diseases listed in Table No. 1, it may be said of tuberculosis, as in former reports, that the figures quoted, except perhaps for St. John, have no significance whatever, either as to the number of cases or deaths. This disease, in spite of our regulations to the contrary, remains virtually unreported, so far as cases are concerned, with the possible exception just noted. I shall recur to the consideration of tuberculosis under Vital Statistics. As noted in former reports, the deaths attributed in this table are not to be taken as exhaustive, as, often, deaths take place from notifiable diseases that are not reported to the secretary by the attending physician in "terminal" cards and only come to light when, in regular course the death certificate reaches the hands of the sub-deputy registrar. A fair view of the general reduction of notifiable disease throughout the province may be had by the totals of all such disease during the past three years — 1920, 1921 and 1922, the totals being, respectively, 3,881, 2,552 and 1,478.

MEDICAL SCHOOL INSPECTION.

This service, as here reviewed, was upon its third year. Since its inception, as was of course to be expected, it has encountered more hindrances and made, perhaps, less obvious progress in many of its phases than the other activities of the Department. The reasons of this relative sluggishness are multiple and varied. Perhaps the first, both in importance and in sequence of encounter is financial. Its cost, necessarily, is very considerable, and when this expense was thrown upon the County Councils through the sub-district boards, more than one of the former bodies balked at it, in view of the seeming disproportion of its results as compared with its cost. This was almost inevitable for it must be borne in mind that the good accomplished by this service is never, even at any time, spectacular as a whole, and, at the best, requires nearly a generation before its benefits can be properly appreciated and measured.

During the year (school year of 1921-22) two counties, Kent and Charlotte did not participate at all in this service, and some other counties only partially, as Northumberland. Kent, heretofore, being but lately organized has not had the service, because of lack of funds by the Municipal Council, and Northumberland's partial diversion was due to the like cause,

the whole public health service there depending wholly upon intermittent Government loans to the Board. Charlotte failed to participate because of a misunderstanding relative to the appointment of inspectors.

In view of the foregoing and other deterrent points in the service, you thought it expedient to attempt a reconstruction and reorganization of it. Accordingly, as you are well aware, the employment of local and part-time inspectors was done away with, and, instead, the province was divided into six Medical School Inspection areas, and a full time inspector appointed for each. A further most important step followed. The change just noted necessarily relieved the Boards and Councils of the burden of providing the cost of the service. But, of course, the cost had to be met from some source, and in this juncture, in order not to throw this additional burden upon the resources of the Government immediately, and to demonstrate in the meanwhile the value and practicability of the service, you succeeded in so interesting the Rockefeller Foundation in this relatively new departure, that that body guaranteed the cost of the reorganized service for two years to the extent of \$27,000 per year. If I may be permitted to so express myself you are to be highly congratulated upon the success of this step. To slightly anticipate next year's report it may here be stated that the new organization went into practical working upon the first of November last, and to the time of writing, the work has progressed in a seemingly efficient manner. It is far too early, of course, to comment upon the results of the new departure. Of its added virtues as compared with the former system there can be no reasonable doubt, and it is confidently hoped that the drawbacks developed in its practice, as is inevitable in any new scheme, will be of such a nature as to admit of practical abatement as they appear.

Three tables are devoted to this service during the school year of 1921-22, in the present report. No. II discloses the findings of the inspectors in the schools by counties and parishes. As remarked in former reports, these findings apart from actual number depend, very largely, upon the personality of the inspector. They are, therefore, hardly capable of being compared as respects the various schools concerned. I also regret to say that, although the majority of these reports exhibit meticulous care and diligence upon the part of the inspector, too many give evidence of slovenliness and a disregard for the efficiency of the service. Had not the service been reorganized I would have thought it my duty to have recommended to the sub-district Boards concerned a replacement of the authors of these deficient reports.

Table No. III is a recapitulation of the former, and displays notwithstanding all defects, a large amount of work performed, nearly 44,000 children having been examined. Among the many points of interest brought out, may be mentioned the satisfactory decrease in the presence of vermin, the figures being 1,540 for 1921, and 946 for 1922. Even the

latter number is quite too large. Without question, this abominable condition, relatively easy to get rid of, should obtain far less frequently than it does amongst our school population. However, the marked decrease shows one good result of the service. The number of pupils not vaccinated has been reduced very materially. Of course these cases will always be large because of the number of young children coming into the schools for the first time, without vaccination, until the advent of the inspector. It is true this is not according to the literal regulation upon the point, but when the inspector is expected within a short time, many pupils, doubtless, have succeeded in remaining in school unvaccinated, in anticipation of his visit. This practice is, in general, to be deprecated. All children should secure vaccination before entering school for the first time.

A most interesting feature of these returns is the estimated number of mentally defective children, according to the definition of such condition in Reg. 191. These, in 1921 numbered 182, and in the year under review the number, it will be observed, is put at 76. Dr. Hanington, however, in a note, states that she has included only under this head the new cases of this condition observed during the year, and that there remain, in her schools 120 in all. Of course the object of this heading is to display the total number of such cases at present in the schools, whether before noted or not. To the number 76 therefore must be added the additional 102, not appearing in the St. John report, making in all 178, as against 182 the year previous. I regret to say that, so far as I know, no arrangements yet have made for the due segregation, teaching and training of these defective children as provided for in our Reg. 191. In some of the larger centres, especially, schools, such as are contemplated in the regulation referred to should be established and I venture to recommend that St. John should lead the way in this step.

Table No. III deserves attention. It is the *Vaccination* report for the school year ending June 30, 1922, and shows 13,487 vaccinations done in this service during this period. Of these nearly 11,000 were by our Inspectors, and some 2,500 by private practitioners. This is a notable achievement, worth, of itself, the total cost of this service. Since the inception of Medical School Inspection it will be noticed that nearly 55,000 school children have been vaccinated in connection with this work. When to this is added the many thousands of children and others who have been vaccinated by reason of smallpox outbreaks, in the past four or five years, it would seem not to be an extravagant claim that our population is probably the best vaccinated one in Canada, and far in advance of that of most of the States of the American Union.

THE COLLECTION AND REGISTRATION OF VITAL STATISTICS.

The tables attached herewith, numbered from 5 to 32 inclusive display the results of this service for the calendar year 1921. The latter completes the second year of the work of the Department in this important connection and maintains, I am happy to say, its earlier promises of efficiency. I have in former reports outlined the working connection of this office with that of the Dominion Bureau of Statistics, Ottawa. This connection still obtains and has increased in mutual usefulness.

Table No. 33 is in the nature of a "postscript" and is an attempt to bring up the fundamental vital statistics of the province to the end of the year just closed (1922). It will be understood that it enters into no details whatever, except the naked numbers of births, marriages and deaths for the province as a whole, and by entire sub-districts. It is, therefore, tentative, it errs slightly in the way of under statement, as some (relatively few) additional births and deaths, especially, will be received for 1922, after its compilation. It is an anticipation of the detailed information respecting 1922 to be published a year hence, and has been compiled from returns in this office.

The population of the province as ascertained by the decennial census of 1921 was 387,876. During this period, however, the county of Kent was involved in these returns only from May to December, inclusive, that is to say, for two-thirds of the year. Where, therefore, the province as a whole, or Kent, individually, is involved, the population figures for the whole province and for Kent must be proportionately adjusted to render the rates for the whole province, and for Kent, itself, accurate.

The population of the province, therefore, as regards rates for that unit, is reduced by one-third of the population of Kent, namely to 379,904, and the population of Kent, itself, for purposes of rates for that unit, is reduced by one-third. Of course these adjustments do not at all apply to other units of the province, the actual figures of the census basing their rates.

Births. The number of births reported to the Department for the whole province for 1921, numbered 11,465 with a rate per 1,000 of 30.17 as against 10,778 and a rate of 29.87 for 1920. There was thus a slight increase of nearly one-third of one per thousand in the rate of 1921 over that of 1920. This makes, I think, New Brunswick's birth-rate the highest in Canada of the eight provinces in the Federal registration area, and speaks well for the practical exhaustiveness of our service when it is recollected that the average age of the population of the province is considerably higher than that of the more westerly ones. This rate, however, was very unevenly distributed over the province. As was the case in 1920, so in 1921, the rate, in general, varied along racial lines. Of the 11,465 children born, 5,053 were by French mothers, or a percentage of 44, a

proportion distinctly larger than that of the general French population. This racial distinction can be clearly and more concretely shown by quoting the birth rates of, say three counties, one overwhelmingly French, another of mixed French and English, and a third almost exclusively English. The three most nearly approaching these conditions are, perhaps, Madawaska, Westmorland and Kings. The birth-rates for these, respectively, are 48.0, 29.5 and 21.7. This racial diversity in fecundity is an ethnological phenomenon of such interest that it is worthy of greater consideration than has yet, apparently, been given it by our publicists.

The present report contains four tables (5 to 8 inclusive) respecting births, viz., according to locality by months and legitimacy with comparative rates, by racial origin, by ages of parents, and by birthplaces of parents, as against two tables last report devoted to locality, months and rates, and an individual one on legitimacy.

Marriages. Marriages during the year number 3,173 with a rate per 1,000 of 8.35, as against 3,780 and a rate of 10.4 for 1920. We have here a decidedly notable decrease, readily attributable, I am of opinion, to two chief causes, (a) the fillip given to marriage by the then comparatively recent demobilization of the troops in 1920, the rate (10.4) being a distinctly high one, and (b) the economic one of "poor times" which set in in 1921. Marriages, the world over, are peculiarly susceptible to pronounced economic changes, multiplying during "fat" periods and lessening during "lean" ones.

For the year under question we publish six tables (9 to 14 inclusive) respecting marriages as against three for 1920. The tables relate to locality, by months and rates, to religion of the contracting parties, to ages of the principals, to literacy, according to birthplace, to former conjugal condition and to birthplace of principals. This may seem a redundant number as compared with those for 1920, but I think it will be conceded that too much information concerning this most important step in the lives of our people can hardly be acquired.

Deaths. The deaths in New Brunswick for 1921 numbered 5,410 with a rate per 1,000 of 14.34, as against 5,628 and a rate of 15.60 for 1920. This is a decrease in actual number of 218, and in rates of 1.36 per 1,000. It is so decided a decrease in one year that I hesitate to ascribe the whole of it to improved health administration, but beyond the smallest doubt the bulk of it is due to this cause.

Subtracting the deaths from the births gives 6,055, representing the "natural increase" of population in the province during the year.

Concerning the decrease in mortality just noted, it is worth while to give some notice of its component factors. If such decrease be due to improved sanitation it will, of necessity, be most notable in connection with those causes of death generally known as "preventable," although this

hitherto somewhat narrow term is fast widening out as the science of preventive medicine itself expands.

Chief among such diseases at present are the communicable ones, such as typhoid, diphtheria, scarlet fever, whooping cough, smallpox, tuberculosis, etc., and, in no second degree, but rather far first in importance, those diseases which carry off, annually, so large a number of young infants. These latter are really as preventable as the "communicable" diseases, and should be indeed decidedly more so, for in the case of these infantile disorders we have not the handicap of acute and direct infection to combat as we have in the former.

Omitting measles, a virtually uncontrollable disease, the communicable diseases together with diarrhoea and enteritis under two, and diseases of early life other than communicable, produced altogether 1,330 deaths in 1920, and 1,212 in 1921, a difference in favor of the latter year of 118, or considerably more than one-half of the total actual decrease from all causes in 1921.

Again, glancing at this decrease from another standpoint, equally or more readily under control than the causes just cited, namely, infant mortality, we obtain a nearer approximation to the total saving of life in 1921. In 1920, 1,454 infants died under one, and 1,299 in 1921, a decrease for the latter year of 155, or nearly seventy-one per cent. of the 218 saved.

Principal Causes of Death. As in 1920, and in common with most of northeastern America, *pneumonia* easily holds the lead as a cause of death. In 1921 inclusive of pleurisy, but exclusive of bronchitis, 500 deaths, with a rate of 139.9 per 100,000 are attributed to this disease. If bronchitis, many cases of which, without much doubt, were of a pneumonic cast be included, we obtain an additional 46 deaths and a rate of 12.10, making in all the formidable total of 546 deaths with a rate of 152.0 per 100,000 from pneumonia and its close congeners. If to these figures be added the due proportion of pneumonic deaths included in the 833 deaths for the year with causes not specified or ill-defined, some adequate notion of the importance of pneumonia as a cause of mortality may be obtained.

But this is not all, nor, perhaps, the most sinister aspect of the disease in question. Although 1921 shows a moderate decrease in number of deaths and rate in connection with pneumonia (500 and 139.9 and 547 and 151.5) as compared with 1920, yet from the experience of other countries we have no right to expect that this decline will be maintained. In a word, pneumonia presents the most important, pressing and difficult problem at present before the medical profession, both remedial and preventive.

Diseases of the Heart were responsible for 420 deaths with a rate of 110.4 per 100,000, and comes second on the list as a factor of death. Although this item also bulks large, it does not possess, in proportion, the significance that its numbers would indicate. Heart causes are often only the final and

terminating push into mortality following and induced by other and most varied and diverse troubles, and, furthermore, a large proportion of heart deaths occur in the aged, and not, as is so often the melancholy case in pneumonia, so generally among the hitherto robust in the prime of life.

Tuberculosis of all forms holds third place as a producer of deaths with 413 fatalities and a rate of 108.6 per 100,000. The absolute number (413) is a small advance on 1920 (390) but the rate (108.03) is only slightly lower than that of 1921, owing partly to increase of population in latter year and to a smaller number of unreported causes in 1921. (A clerical error in the report of 1920 gave a rate of 128.03 instead of 108.03 for tuberculosis). Taking the province as a whole, therefore, we have no cause to congratulate ourselves upon the abatement of this disease. In St. John where much effort and money have been expended for this purpose, notable results have been achieved. It will be observed that the absolute number of deaths for that city is 59, inclusive of 24 residents who died in the East St. John Hospital, without the borders of the city. Reverting to my report as Chief Health Officer of the city for 1917, no less than 98 deaths were from this disease, although it must be conceded that in the previous year 1916, the mortality was only 63, a number but actually only slightly greater than the figures for 1921. However, in 1915, two years previously, the number was 80, making an average number of 80 for the three year period, as against 59 for 1921. The year 1916 was that of the establishment of the County Hospital, entirely devoted to this disease, and there can be no doubt of the importance of this institution as a factor in the reduction which has taken place. This reduction, in connection with this institution, has mainly been effected by the removal of advanced and virulently infective cases from the general community, and so abolishing numerous centres of infection. This is, perhaps, the most efficient method at present known for the reduction of the disease, but it will be seen that it is a method which needs constantly to be exercised, in order to maintain a continued repression or reduction of the mortality of the disease. It requires, therefore, to be supplemented by other measures, chief of which is an improved standard of housing and living. Tuberculosis, by reason of its methods of infection, is largely induced by squalid living, which includes as its very essentials, dwellings of the "slum" type, overcrowding, either of the community or household class and ignorance of the principles of personal and domestic hygiene. These conditions are most largely found in urban communities, but by no means exclusively so, and so long as they continue, in a measurable degree, a continual removal of personal foci of infection will be necessary to keep the disease under control. To effect this weeding out of foci, groups of municipalities throughout the province should combine to establish sanatoria for advanced cases.

Senility. Three hundred and eighty-nine persons are reported to have died of old age in the period under review, making a rate per 100,000 of 102.3. This hardly is so satisfactory as in 1920, when 462 died of elapsed years, with a rate of about 128. But "old age" is a condition not always to be exactly measured by years. Besides, supposed examples of very advanced age are generally to be taken with a grain of doubt, as when one is, confessedly, among the ranks of the old, it is often his ambition to head these ranks, when possible. In 1921, eight persons, four of either sex were recorded as dying beyond 100 years. In 1920, three were registered.

Congenital Debility and Premature Birth occupies fifth place in this lugubrious list, and accounts for 290 deaths with a rate of 76.2, as against 292 and a rate of 80.8 for the previous year. No permanent reduction can be logically looked for until a far larger proportion of births are attended by medical men and until ante-natal instruction is more available to expectant mothers than at present.

Cancer. Of late no disease occupies more the attention of the medical profession and public than this. Whether it is actually increasing in its incidence is a point of much doubt, but that there is no positive and real decrease admits of very little. During the period in question 279 died of the disease in New Brunswick at a rate equal to 73.3 per 100,000. The year before, 266 died with a rate of 73.6. Probably in the present stage of our knowledge of cancer, no disease will so repay wide-spread instruction concerning its dangers, and the early signs of its approach. These signs are, fortunately, generally well within the capacity of any one to recognize them and so enable him to have the diseased growth removed while it is in its early stages.

The Tables. Space does not permit of an individual review of the Vital Statistics tables herewith published. In number they are considerably in excess of those contained in the report last year. More especially does this apply as noted already to marriages and in equal or greater degree to deaths. With respect to deaths it may be said that they pretty effectually cover all aspects of mortality as respects the province. Table No. XV presents in short compass a view of the deaths in the province by months and monthly rates. It shows the influence of season upon mortality, and its comparative rates with 1920 are of interest, showing a reduction in each month of 1921, except two, January and April.

No. XVI is of great interest. It treats of mortality according to locality, urban and rural, and is worth close study. Here, as elsewhere in the principal tables, I have introduced comparative rates.

No. XVII. Mortality by Age-Groups, demonstrates the enormous importance of maintaining the life of the infant through the first twelve months. Not less than 24 per cent. of all deaths occurred under this age,

while in the next year only four and a half took place, while between the years four and five less than one per cent. succumbed. In other words, once the infant achieves the completion of his first year his chances for continued life increase by leaps and bounds.

Nos. XVIII and XIX are upon Infantile Mortality, first, as in the preceding, by locality, and, second by causes and months. The latter we have not published before, but it is well worth publicity, as is everything connected with this most important aspect of public health.

No. XXIII is, perhaps, the most important of all the tables relative to deaths. It gives the causes of death throughout the province. I have already touched upon the six principal causes, but the whole table will amply repay close attention. As elsewhere, comparative rates are appended, per 100,000 population for each disease or group of closely allied diseases. It is also proper to say that I believe of the four deaths ascribed to Encephalitis Lethargica, a number of them, two or three, should properly be entered under Acute Anterior Poliomyelitis. I know of but one death in 1921 from Encephalitis Lethargica. The two diseases have, evidently, been confused by the compiler. Tables similar to this will be found under Nos. XXIV, XXV and XXVI concerning St. John, Moncton and Fredericton, respectively. Infant Mortality and deaths by months, for these cities, with rates are also to be found under the heading "Cities."

FINANCES.

It is with a good deal of satisfaction that one is able to announce at date of present writing (January) that workable arrangements have been come to with regard to those counties mentioned in my last report as having failed to supply funds for the carrying on of the work of their sub-district boards. I have little doubt but that this handicap to the work of the Department has been permanently disposed of.

PUBLICITY.

Very considerable has been done during the year in the way of educating the public in health matters. Perhaps chief among the factors employed for this purpose is "Prevention," a free monthly publication issued from this office. It has a circulation of about 3,000 copies, and was noticed in my last report, the first issue having been made in October, 1921. The Director of Nurses has subserved a very useful part in publicity. Reference has already been made to her report, in which she states her activities in this regard. In addition, numerous addresses have been made by yourself, and the various members of the Bureau.

The "Health Week" in the early part of June last was most successful in the way of disseminating useful information concerning hygiene. It was held in conjunction with the meeting of the Canadian Public Health

Association, in St. John. This important body, over which you presided, was attended by the foremost sanitarians and public health workers in Canada, and did much to increase public interest in health throughout the city and province. The anti-tuberculosis "case-finding" movement in the early summer in St. John served signally to arouse public interest respecting this most important and widespread disease.

The Social Hygiene campaign, conducted by Mrs. Pankhurst, Dr. Bates and Dr. Haggerty, now in progress (January, 1923) has met with much favor and acceptance by the people of the province, generally.

THE DEPARTMENTAL OFFICE.

During the year, as forecasted in my last report, the work of this office, especially that connected with the Vital Statistics service, increased to such a degree that it became imperative to secure more assistance. In May last, therefore, the Department took on the services of Miss Lillian G. Blackmer, mainly as clerical assistant in this branch, and her attention to duty has been most satisfactory.

As you are so well acquainted with the duties of the writer, it will neither be necessary nor expedient to enlarge upon them. As Chief Medical Officer I have attended the sessions of the Federal Advisory Council of Health, at Ottawa, in May and again in November. These meetings are of importance in the way of an increased co-ordination in the work of the various provincial health organizations, and, of perhaps equal importance, in promoting and maintaining by personal contact, enthusiasm and devotion to the common work in which, throughout Canada, we are engaged.

Last spring a class of over 300 was examined and passed in the Normal School upon Public Health, First Aid and allied subjects, and at present instruction is being given in these subjects to over 400 students. In this connection it may not be amiss to say that already, reports have reached this office of the increased usefulness and efficiency on the part of these teachers who have undergone this course in Public Health. I know of no more important or logical step in the service than this instruction of the teachers of the province in the rudiments of Public Health.

LEGISLATION.

I have already noted the enactment of the Legislature in its last session in connection with the employment of sanitary inspectors, and will immediately recur to it under the head of Recommendations. The amendment of the Act reducing the Department representation upon the various sub-district Boards from two to one, increasing the Municipal Councils' appointments from three to four and giving cities and towns of over 2,000 population representation upon the Boards, in accordance with my recommendations last year, has given much satisfaction and appears to be working well.

During the year Regulations were completed and adopted with respect to Hotels and the Embalming of bodies. Both are in operation. Regulations still remaining on hand but not yet adopted are on Plumbing and Drainage (in hands of Council), and Camps.

RECOMMENDATIONS.

I would respectfully recommend that a bill be presented to the Legislature at its forthcoming session repealing the amendment concerning sanitary inspectors to which I have adverted above. An amendment also of the Public Health Act is desirable in order to correct a slight error in wording in section 28 of said Act. I am also of opinion that regulations should be adopted concerning the conduct of restaurants and barber shops, and I beg to repeat my recommendation of last year in the matter of an additional Medical Health Officer. Concerning the Venereal Clinics I am of opinion that, in those instances, where considerable time has elapsed since establishment and little work presents itself or is obtained, the Clinic should be abolished, or a change made in its site.

I thank you for your continued confidence, and am

Your obedient servant,

GEO. G. MELVIN,
Chief Medical Officer.

TABLE 1.

TABLE I.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES, WITH RATES, BY PROVINCE, SUB-DISTRICTS, CITIES AND TOWNS — NEW BRUNSWICK — YEAR 1921-22.

DIVISIONS	Diphtheria				Scarlet Fever				Typhoid				Measles				Smallpox				Tuberculosis				Influenza				Other Notifiable Diseases				Totals				
	Per Cent. Deaths to Cases		Rate per 100,000	Population	Per Cent. Deaths to Cases		Rate per 100,000	Population	Per Cent. Deaths to Cases		Rate per 100,000	Population	Per Cent. Deaths to Cases		Rate per 100,000	Population	Per Cent. Deaths to Cases		Rate per 100,000	Population	Per Cent. Deaths to Cases		Rate per 100,000	Population	Per Cent. Deaths to Cases		Rate per 100,000	Population	Per Cent. Deaths to Cases		Rate per 100,000	Population					
	C	D			C	D			C	D			C	D			C	D			C	D			C	D			C	D							
N.B.— { 1921-22 { 1920-21 { 1919-20	396	27	6.8	6.43	313	41	1.2	1.02	248	15	6.0	3.83	25				157	1	0.63	0.25	186	80	43.0	20.4	75	4	5.3	1.02	76	11	14.4	2.81	1478	142	9.6	36.31	
	443	41	9.2	10.5	342	61	1.7	1.54	385	33	8.57	8.48	996	18	1.8	4.62	118				160	88	55.0	22.61	23	1	4.34	0.25	88	4	4.54	1.02	2552	191	7.48	49.08	
	469	39	8.3	10.8	563	50	0.88	1.38	421	26	6.7	7.20	257	8	3.1	2.21	465	2	0.41	0.55	157	76	48.4	21.05	1459	50	3.42	13.75	70	7	10.0	1.93	3381	213	5.48	59.0	
Albert.....					6				2												4	4	100.0	46.8	1	1	100.0	11.7	4				17	5	29.41	58.5	
Carleton.....	12				12				14	1	7.1	4.7	1								1				8								48	1	2.08	4.7	
Charlotte.....	10	1	10.0	4.6	52	23.8	9.2		2								58								21								143	3	2.10	13.8	
Fredericton.....	33	1	3.0	12.6	24	14.1	12.6		4	125.0	12.6																						62	3	4.84	37.8	
Gloucester.....	35	3	8.5	7.5	13				20	210.0	5.0										3	3	100.0	7.5	2	2	100.0	5.0	2	2100.0	5.0	2	2100.0	75	12	16.0	30.0
Kent.....	15	2	13.3	8.4	4				20	315.0	12.6						2				3	3	100.0	12.6					1	1100.0	4.2	45	9	20.0	37.8		
Kings.....	12	1	8.3	4.9	8				15	213.3	9.8										1	1	100.0	4.9									36	4	11.1	19.6	
Madawaska.....	5				1				2				10				70	1	1.4	4.9													90	1	1.11	4.9	
Northumberland.....	42	6	14.3	17.4	25				11	19.09	2.9	1					1				15	15	100.0	43.5									95	22	23.15	63.8	
Queens.....	5				10				10	110.0	8.5																						54	1	1.85	8.5	
Restigouche.....	24	1	4.1	4.2	4				17				3				7				1												58	1	1.72	4.2	
St. John.....	106	9	8.5	14.4	83	11.2	1.6		89	3	3.3	4.8	1							144	41	28.4	65.6										479	55	11.48	88.0	
Sunbury.....	2				4				3												1												24				
Victoria.....	9	1	11.1	7.7	4				11																								25	2	8.0	15.4	
Westmorland.....	33	2	6.0	3.6	24				23	1	4.4	1.8					16				12	12	100.0	21.6									125	21	16.8	37.8	
York.....	53				39				5								3				1	1	100.0	4.1									102	2	1.96	8.2	

Cities—	1921-22	103	7	6.7	8.4	104	19.6	1.2	94	4	4.2	4.8	4	653	6	0.9	8.2	3	127	47	37.0	56.7	8	3	37.5	3.6	44	3	6.8	3.6	486	65	1.3	78.4	
	1920-21	201	15	7.4	20.6	155	31.2	4.1	122	10	8.2	13.7	653	6	0.9	8.2	3	95	42	44.4	57.4	281	16	5.7	22.2	40	4	10.0	5.6	886	80	9.0	109.9		
	1919-20	225	17	7.5	23.7	335	30.89	4.2	44	3	6.8	4.2	192	8	4.16	11.1	3	108	48	44.4	66.6	5	3	100.0	16.5	41	3	3	100.0	16.5	44	14	31.81	77.28	
Fredericton.....	33	1	3.0	12.19	24	14.1	12.19	4	125.0	12.19	3	1	3	1	3	1	3	8	8	100.0	44.0	3	3	100.0	16.5	41	3	3	100.0	16.5	44	14	31.81	77.28	
Moncton.....	9	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	119	39*	32.7	81.9	5	5	5	5	5	5	5	5	5	5	5	5	5	
St. John.....	61	6	9.8	12.6	71	71	71	82	3	3.6	6.3	1	1	1	1	1	1	119	39*	32.7	81.9	5	5	5	5	5	5	5	5	5	5	5	5	5	
Towns—	1921-22	47	3	6.4	7.23	79	79	32	2	6.2	4.82	1	1	1	1	1	1	5	4	80.0	9.64	2	2	2	2	2	2	2	2	2	2	2	2	2	
	1920-21	77	4	5.2	8.4	57	57	84	11	13.1	23.3	319	3	0.9	6.3	10	15	12	80.0	25.2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	1919-20	64	3	4.6	6.4	80	11.2	2.1	103	5	4.8	10.8	14	14	14	14	17	12	7	58.3	15.1	70	7	10.0	14.7	5	2	40.0	4.2	367	25	6.8	53.9		
Bathurst.....	7	7	7	7	7	7	7	9	2	22.2	56.0	1	1	1	1	1	1	2	2	100.0	56.0	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Campbellton**	11	11	11	11	11	11	11	9	9	9	9	9	9	9	9	9	9	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
Chatham.....	5	5	5	5	5	5	5	2	2	2	2	2	2	2	2	2	2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Dalhousie**	3	3	3	3	3	3	3	8	8	8	8	8	8	8	8	8	8	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
Devon.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
Edmundston	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Grand Falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Hartland	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Marysville	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Milltown	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Newcastle	1	1	100.0	28.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
St. Andrews	4	4	4	4	4	4	4	8	8	8	8	8	8	8	8	8	8	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
St. George	4	1	25.0	28.4	22	22	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
St. Stephen	4	1	25.0	45.7	14	14	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sackville	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Shediac	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sunny Brae	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sussex	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Woodstock	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

* Includes 20 Residents of City dying in County Hospital.

** Report not available because of negligence of former Secretary, now dismissed.

Gloucester.—

Dr. C. J. Veniot.....	Bathurst (16).....	36	1415	1212	2	2	1	369	5	1	3	3	9	4	3	7	1	3	1	1	400	
	Beresford (17).....	22	1002	781				117	2	2	1	6	6	13	2	2			1	1	163	
	Caraquet.....	17	686	670				155	1	1	2		1	8	4	2					175	
	Inkerman.....	13	478	449				128									4		1		119	
	Paquetville.....	8	285	285				112					1		1	5	1				62	
	St. Isidore.....	5	256	256	4			73					3	4							71	
	Saumarez.....	11	536	386	87			109				1	1		1	16				2	116	
	New Bandon (18).....	8	353	346	274	83	16	1	49	296	35	7	1	16		6	5	1	1	1	55	
	Shippegan (19).....	14	597	377	96			39													352	
	Kent (20).—																					
	Kings.—																					
	Dr. W. H. White.....	Cardwell (21).....	5	122													5	1				13
		Hammond (22).....	4	72		1							4				3					3
		Studholm (23).....	19	484		10			6				2				2					30
Sussex (24).....		24	752	498	21	2		4	2	1		12				7	6		2		78	
Waterford (25).....		8	136		3			1													10	
Dr. W. M. Jenkins.....	Greenwich (26).....	3	94	67	34	5	2	1	3	63	10	2	1	1		10			1	2	16	
	Westfield (27).....	5	104	80	38	29	2		2	78	7					10			1		25	
	Hampton (28).....	12	349	310	60	4	11	34	30	105	29	2	1	1	6	2	3		3	2	4	
Dr. F. H. Wetmore.....	Upham (29).....	6	121	102	30	52	2	24	22	56	7					21	2		1	2	135	
	Havelock (30).....	14	367	320	270	134	21	24	1	246	38					10	1		1	1	34	
Dr. C. A. King.....									38							3			1		252	
																					41	

(1) Districts 1, 4 and 6 closed permanently. Galway school closed December term.

(2) Districts 1, 4, 15, 16, 18 and 19 closed permanently. Districts 10, 12, 17 and 20 closed during fall term.

(3) Two schools closed.

(4) District 12 closed permanently. Shenstone (Rosevale) school closed during fall term. "Number unvaccinated in both Hillsboro and Coverdale. These were absent at time of inspector's visit; some attend so irregularly as not to be a menace and to debar from school would create hardship to parents and pupils." (B. J. D.)

(5) Memel school closed.

(6) Districts 6, 7, 8, 9 and 11 closed permanently.

(7) Dr. Carnwath has not made complete physical inspection of school since previous year's report, therefore has not reported upon form B-12.

(8) Ashland school closed; Upper Carlisle and Mapleton not reported upon — probably closed.

(9) Sixth Tier and Wakefield Centre (Districts 14 and 15) closed.

(10) Lower Northampton school closed.

(11) Oak Mountain and Limestone schools not reported upon, Kirkland,

Monument, Union Corner, Green Road and Knolton (Districts 10, 11A, 1A, 13 and 17) closed.

(12) McElroy, Benton Ridge, Porton and Speerville (Districts 9, 11 and 12) not reported upon. Springfield (District 13) closed.

(13) Summerville and Tweedy (District 7 and 8) closed.

(14) Palmer and Long Settlement (Districts 2 and 16) closed.

(15) No inspection during school year in county.

(16) Kinsale, North Tetagouche, Miramichi Road, St. Mary's, Drummond Mines and Bartibog Station schools (Districts 8, 10, 11, 13½, 19 and 20) closed.

(17) Guitar school (District 1½) unorganized. Madisco and South Humphrey's (Districts 5 and 7½) defunct. Robertville (District 15) closed.

(18) North Mizonette, Waterloo, Grand Anse, Portage, Lower Pokeshaw, Upper Pokeshaw, Black Rock and Canobie (Districts 1, 3, 3½, 4½, 5½, 6½, 7 and 10) closed.

(19) St. Simons, Village of Abrams, Pigeon Hill, Cape Bateau, Grand Ameque, Alexander's Point, Miscou, North Miscou, Wilson's Point, St. Raphael, La Coteau (Districts 1, 3, 3½, 4½, 5½, 6, 7 and 10) closed.

(20) No inspection during school year in county.

(21) Districts 4, 5 and 10 defunct. Springdale (District 10) closed.

(22) Mt. Pleasant, Shepody Road, Londonderry and Saddleback schools (Districts 1, 2, 3 and 5) closed.

(23) Summerfield and Bunnell schools (Districts 5 and 22) closed.

(24) Lisson school (District 4) closed.

(25) Philmonro and Wallace (Elmdale) schools (Districts 1 and 9) closed. Wolf Lake and Donegal (Districts 3 and 4) defunct.

(26) Upper Greenwich and Greenwich Hill (Districts 1 and 5) closed.

(27) McGovern school (District 4) defunct. Carter's Point, Sea Dog Cove and Bayswater schools (Districts 7, 11 and 13) uninspected as medical inspector was unable to cross river. Land's End, Kennebecasis Island, Milkish and Smith schools (Districts 8, 9, 10 and 12) closed.

(28) District number 10 closed permanently. "All children weighed. Nutrition figures fairly accurate for rural schools. Of 219 children examined in Hampton Consolidated school, 128 had complete physical examination." (F. H. W.)

(29) Primrose school (District 2) closed permanently.

(30) Knightville, Springhill and Creek Hill schools (Districts 13, 9 and 6) closed.

Dr. B. A. Marven (part).....	Chatham, Town and Parish, Glenelg	11	207	157	121	110	13	5	30	125	29	2	29	114	18	31	1	2	1	195	15	4	68	2	34		
Dr. R. Nicholson.....	Newcastle, Town and Parish (12)....	26	947	894		71	22				421	2	29											3	633		
Dr. A. Desrochers.....	Rogersville.....	9	280	221	167						52			40										3	6		
Queens.—																											
Dr. A. B. Walter.....	Brunswick.....	4	60	54	41	19	3	1	2	51	4		1	2										1	10		
	Cambridge.....	7	148	110	75	11	2	1		108	12	3	3	1						1				1	30		
	Johnston (13).....	12	241	162	110	33	7	1	5	154	20	3	5	5						1				1	37		
	Wickham (14).....	8	119	101	70	13	4	1	5	99	9	3	3	3		1				1				1	27		
Dr. H. B. Hay.....	Canning.....	11	292	256			3				37			30	2	10	14	11					2	74			
	Chipman (15).....	16	404	383							33			41	14	32	21	22					1	2	83		
	Waterboro (16).....	8	160	150							2	1		9						9				2	38		
Dr. W. M. Jenkins.....	Gagetown.....	6	131	105	73	2			5	98	12	2	1	1						4				2	16		
	Hampstead.....	8	146	92	56	5	1		4	88	12	1	1	1			4			5				2	11		
	Petersville.....	11	220	179	98	25	2		13	166	22	4		3			1			11				1	45		
Restigouche.—																											
Dr. A. Martin, Dr. D. Murray.....	Balmoral, Eldon (8).....	34	1506	1483	604	186	8	9	135	1339	212	8	1	72	13	41	9	3	2	27	4	5	8	6	2	810	
Dr. J. R. Disbrow (part), Dr. R. L. Ellis.....	Addington (17).....	6	237	189	186	6	2		1	188	12			6						4	1		1	1	2	88	
Dr. R. L. Ellis.....	Colborne (18).....	11	445	337	294	118	4	10	327	38			2	47	1		2			41		2	3	1	6	248	
Dr. J. R. Disbrow.....	Durham.....	10	360	295	295	10	1		294	12				5	1		4			11				1	140		
Dr. J. A. Dube.....	Dalhousie.....	2	98	84	83	38	1	6	32	46	4	10				32	1		2	2		1		5	58		
	Grimmer.....	13	306	259	225	101	12	11	120	128	30	6		10		46	5	4	2	14	3	3	12	2	2	192	
St. John (City and County).—	St. Quentin.....																							3	5	1	58
Dr. M. L. Hanington.....	St. John City.....	183	7961	7961	(10) 20	1	207	136			*550	6	12	5	36	606	60	29	5	218	16	5	3	27	3	1	189
Dr. O. Comeau.....	Lancaster (20).....	25	942	916	844		5	1		548	50	1		1	25		4	6			6	4		2	5	3	250
	Musquash.....	4	84	84	73						10				1											68	744
	Simonds (21).....	13	370	367	323	7			3	332	30															9	2192
Dr. H. E. Gillmor.....	St. Martins (22).....																									7	20

(1) Eastern Kars school (District 4) closed.	(10) Figures represent four districts only	(11) Upper Napan (District 6½) closed.	(12) "Did not tabulate number of pupils normal. Doubt if there are any absolutely so." (R. N.)	(13) Lower Rapids, West Waterloo, Great Salmon Creek, Upper Salmon Creek, Border District, Annisdale (Districts 11, 12, 15 and 16) closed.	(14) Stewart school not reported upon.	(15) Schools Salmon River, Upper Salmon River, Head Grand Lake, Duferin, Castaway Brook, Salmon Harbor, Bronson Settlement (Districts 3, 12, 13, 15, 16 and 17) closed.	(16) Union Settlement, Wiggins Cove and Marr's Settlement (Districts 9, 10 and 11) closed.	(17) Figures represent schools of Campbellton only.	(18) Mountain Brook (District 1½) not reported upon — probably closed.	(19) Cannot be determined without intensive examination of every scholar; in senior grades only, more common defects can be examined for.
(2) District 4 defunct. Brunswick, West Scotch Settlement, Sprague's Brook and Old Kingston Road (Districts 7, 11, 13 and 14) closed.										
(3) Exclusive of Kingston Consolidated school. Midland school (District 9) examined by Dr. Fraser. Walton's Lake (District 14) closed. Moss Glen school (District 6) "poor district, badly lighted and old schoolhouse" (O. R. P.) District 10—"Two or three large families with all children below standard" (O. R. P.)										
(4) Quispamsis, Otty's Crossing and Upper Golden Grove (District 4, 7 and 9) closed.										
(5) Pelletier and Lakeview Schools (Districts 11 and 13) closed.										
(6) Rossignol school (District 2) not reported upon. Edmundston schools not reported upon. Francoeur school (District 4) closed.										
(7) Figures represent school Districts 1 to 4, inclusive.										
(8) No inspection.										
(9) Schools Second Tier and Martin Settlement (Districts 10 and 11) closed.										

*Marked cases of cervical adenitis, minor degrees are found in great majority of enlarged tonsils cases.

x New cases coming under notice. About 120 cases exist in Grades I to IV of the city schools.

o Parents are invited only for "complete physical" examination of their child — made in Grade II.

v Includes the number of separate notice for pediculosis.

(20) Grand Bay school (District 16) not reported upon. "Eighty per cent. pupils requiring treatment last year and notified, received treatment. In some schools, as Beaconsfield and South Bay, ninety-five per cent. received treatment. In general, there is a great improvement in health." (O. C.)

(21) Otter Lake, Hibernia, Black River, Golden Grove, Mispec, Gardner's Creek, Tynemouth Creek, Garnett Settlement, West Beach, Willow Grove, Upper Golden Grove, Lake District, Grave Hill, and Churchhill schools (Districts 18, 17, 12, 3, 10, 13, 14, 15, 11, 16, 9, 20, 21 and 22) closed.

(22) Little Beach and Shanklin (Districts 3½ and 12) closed.

TABLE 2.— Continued.

TABLE II.— Continued.

ANNUAL REPORT — MEDICAL INSPECTION OF SCHOOLS — NEW BRUNSWICK

By SUB-DISTRICTS AND AREAS — YEAR ENDING JUNE 30, 1922.

SUB-HEALTH DISTRICT AND MEDICAL INSPECTOR	AREA	No. of Rooms	No. Pupils Enrolled	No. Pupils Examined	No. Pupils Normal	No. Pupils Not Vaccinated	No. Anaemic	NUTRITION			ENLARGED GLANDS			Defective Breathing (Nasal)	Pediculosis	Scabies	Impetigo	Ringworm	EYE DEFECTS				Cardiac Defect	Pulmonary Defect	Spinal Defect	Chest Defect (Anatomical)	Defect of Extremities	Defect of Hearing	Defect of Speech	Mental Defects (See Reg. 191)	Dental Defects	Parents Present	Notices Sent	
								Bad	Fair	Good	Tonsils	Thyroid	Other Glands						Vision	Strabismus	Conjunctivitis	Blepharitis												
Sunbury.— Dr. P. T. Kierstead (part), Dr G.W. Bailey.....	Burton.....	11	215	152	7	5	2		2	144	31		2	7					5	1		2									70	27		
	Blissville (1).....	5	66	66	6	3				9	20						3		3			2									50	60		
	Gladstone (2).....	12	262	230	44	3				141	42				1				6	1		2					1			174	186			
	Lincoln.....	4	107	91	15	2					23			1					2	1		3								72	62			
	Maugerville (3).....	3	49	40	10					22	6			4					1												10			
Dr. P. T. Kierstead.....	Northfield (4).....	4	148	120			3		3	90	12			4					4												23	1	4	
	Sheffield (5).....	5	99	76	76					76	6			2					1												16			
	Andover.....	11	290	232	131	14		1	4	227	32	1		32					4	1											75	106		
	Grand Falls (6).....	17	644	467	402	5	3	1	63	357	33	1		20					4	1							1	1	1	21	19			
	Drummond (7).....	15	593	418	338	30	16		33	365	44			39	23																25			
Dr. R. W. L. Earle (part), Dr. L. Chap- man (part)..... Dr. J. D. Coffin.....	Gordon (8).....	14	435	383	282	72	4		7	377	61			37	1				49	4		1					1		3	2	2	39	59	
	Lorne.....	8	171	147	115	41	7	6	3	138	24	1	6	12	1				15									3			17	23		
	Perth.....	17	322	237	125	48	6		10	232	82			68					4								1	3	1		39			
Dr. R. W. L. Earle.....																																		
Westmorland.— Dr. H. B. Barnhill, Dr. H. Cyr.....		26	775	600	446	57	7	3	15	259	73		2	61					3	1	1	5					1		2	1		17	17	

Dr. H. H. Coleman, Dr. F. A. Richard	Moncton City.....	68	3374	2656	1281	20	371	1	5	9	8	2	32	2	70	14	2	3	1	19	1	3	933	783											
Dr. L. N. Bourque, Dr. H. A. Jones	Moncton Parish (11)	36	1178	1004	326	71	3	8	316	144													121	248											
Dr. C. L. Gass	Sackville, Town	15	437	437		55	13	17	166	254	133	52	41	12	37	1	8		1	1	1	231	250												
Dr. C. A. King	Salisbury (12)	26	721	582	523	136	41	46	18	469	52	46	46		4				1			398	56												
Dr. M. A. Oulton, Dr. A. M. Sormany	Shediac, Town and Parish (13)	36	1285	932	542	108	21	23	559	132	1	62	1	86	1	5	6	1	1	7	7	2	127	5											
Dr. H. C. B. Allen	Westmorland	14	386	334	116	18	55	2	13	319	51	40	51		5			1	1	6	1	103	54												
York.—																																			
Dr. Morehouse, Dr. Robertson	Bright (14)	14	361	292	206	22	5	3	4	282	38	3	2	32		4			1	1	1	66	4												
Dr. W. L. Turner	Canterbury	15	247	207	200	29	12	5	190	40			26									123													
	North Lake	5	61	50	40	5	1	3	4	34	27				3							45													
Dr. O. E. Morehouse	Douglas	13	352	254	199	26	4	4	2	245	25	2		18		3	2		2	2	2	44													
	Dumfries (15)																																		
Dr. B. W. Robertson	Kingsclear	9	174	142	27	43	6	3	4	117	47	5	2	39		6	3	1		3		98													
Dr. A. E. Gardiner	McAdam	9	362	315	171	5	3	25	284	13	13	2	1	13		22	1	1	1	3	8	2	1	56											
Dr. B. A. Dougan	Manners-Sutton	13	189	189	186	29	1	1	3	140	19	1	1	17		1	1		2	2	1	2	80												
Dr. B. M. Mullins	New Maryland (16)	4	80	55	48	8	8	8			2	2										5	7												
	St. Mary's	26	989	696	629	41	41	41			19											95	115												
	Stanley	10	306	234	223	10	10	10			7											4	11												
Dr. W. A. McKenzie	Prince William (17)	7	127	87	71	9	9	9	2	85	7	1	1	1	2	1			2			1	15												
	Queensbury	8	139	115	100	17	1	1	3	110	11	3	2	1	8	1	1					6	22												
Dr. M. L. Jewett	Southampton (18)	16	324	294	238	66	3	2	23	257	39	1	1	3	4			1				36	81												
Totals		1627	52211	43790	17121	3362	901	498	1815	18278	6252	69	329	20	2336	108	946	244	268	46	1098	199	148	148	64	21	19	21	251	174	134	76	10346	474	8769

- (1) Pleasington and Juvenile Settlement schools (Districts 6 and 8) closed.
(2) Little Lake (District 9) closed.
(3) Rear Maugerville (District 4) closed.
(4) Hardwood Ridge (District 3) closed.
(5) Randall Corner and Ripples (Districts 3 and 6) closed.
(6) Districts 9, 10 and 16 — Ranger Settlement, North California and Rear Mill District, closed.

(7) New Denmark, Salmonhurst, Medford, Salmon River, Union and Blue Bell schools (Districts 1, 3, 4, 5, 10 and 13) not reported upon.
(8) River Side and Ashworth schools (Districts 2 and 11) closed.
(9) Cadman school (District 12) closed.
(10) Cape, Woodville and Fox Creek schools (Districts 1, 4 and 19) closed.
(11) Maple Leaf, New Scotland and Shaw Brook schools (Districts 16½, 22 and 33) closed.
(12) Scotch and Kinnear Settlement schools (Districts 10 and 19) closed.

(13) Shediac Island and Upper Aboujagane schools (Districts 24 and 25) closed.
(14) Howland Ridge school (District 11) closed.
(15) No Inspection.
(16) Yoho school (District 4) closed.
(17) Blany Ridge school (District 6) closed.
(18) Central Waterville, Waterville, Clark Settlement and Bull Lake, schools (Districts 15, 17 and 18) closed.

TABLE III.

RECAPITULATION: MEDICAL SCHOOL INSPECTION REPORT BY COUNTIES

(For School Year Ending June 30, 1922).

SUB-HEALTH DISTRICT	No. of Rooms	No. Pupils Enrolled	No. Pupils Examined	No. Pupils Normal	No. Pupils Not Vaccinated	No. Anaemic	NUTRITION			ENLARGED GLANDS			Defective Breathing (Nasal)		Pediculosis	Scabies	Impetigo	Ringworm	EYE DEFECTS				Cardiac Defect	Pulmonary Defect	Spinal Defect	Chest Defect (Anatomical)	Defect of Extremities	Defect of Hearing	Defect of Speech	Mental Defects (See Reg. 191)	Dental Defects	Parents Present	Notices Sent	
							Bad	Fair	Good	Tonsils	Thyroid	Other Glands	Adenoids	Other Obstructions					Vision	Strabismus	Conjunctivitis	Blepharitis												
Albert.....	57	1473	1250	785	196	60	17	152	1072	155	3	35	1	141	15	5	8	5		36	2	1		4	3	6	11	8	1	6	2	322		360
Carleton.....	170	4078	3000	1808	402	33		131	2186	653	13	7		240	1		22	24		28	6	2	9	1		2	1	7	9	19	5	587	3	1121
Charlotte (a).....	36	1670	1556		3	13	3	175	1269	182	11	2	1	166		3		2	7	1											1	20	179	
Fredericton.....	134	5608	4762	274	272	18	2	49	296	1137		7	1	24	2	6	4	20	4	18	62	9	8	1			1	4	2	4	1	1513		37
Gloucester (b).....																																		
Kent (c).....																																		
Kings.....	143	3655	2287	1065	326	66	106	207	853	247	1	21	2	129		13	4	23		92	10	96	1	2	3			4	3	7	11	744	6	561
Madawaska (d).....	54	1815	1452	889	238	9		53	590	308	1	1		219		17	26	8		9	15	1		2		1	1	1	8	8	4	309	2	126
Northumberland (e).....	97	3184	2719	694	279	213	75	286	1044	725	3	33	1	378	53	43	21	11	6	236	27	19	81	6	1			6	35	14	11	1179		540
Queens.....	91	1921	1592	523	108	22	4	34	764	163	2	17		96	16	33	33	41	11	43					1	1	1	3	7	5	6	371	7	412
Restigouche (f).....	76	2952	2647	1687	459	27	27	298	2322	308	8	17	2	93	14	166	17	13	6	97	10	8	22	11	4	2	3	7	15	17	2	1536		737
St. John (City and County).....	239	9551	9504	1421	10	215	137	5	922	652	7	12	7	96	1	610	66	29	5	228	21	6	3	29	3	4		197	34	28	18	362	450	2317
Sunbury.....	44	946	775	158	13	5		5	482	140		2		18			1	3		22	3		9				1		1		415	1	339	
Victoria.....	86	2455	1884	1393	210	36	8	120	1696	276	3	6	1	208	1	24	9	13		76	6		1	1	1	1	1	4	9	4	3	216		207
Westmorland.....	251	9192	7432	4086	536	160	91	225	3038	1012	2	161	2	387	2	24	23	59	7	173	28	4	13	3	2	1	1	3	38	13	6	2113	5	1465
York.....	149	3711	2930	2338	310	24	28	75	1744	294	15	8	2	151	3	2	10	17		39	9	2	1	5	2	2	1	6	13	8	6	659		368
Totals.....	1627	52211	43790	17121	3362	901	498	1815	18278	6252	69	329	20	2336	108	946	244	268	46	1098	199	148	148	64	21	19	21	251	174	134	76	10346	474	8769

NOTES

(a) No medical inspection during school year.

(b) Total "274" represents normal pupils of one area only, of this sub-district.

(c) No medical inspection during school year.

(d) "Many of the schools have not been examined, but several of our medical school inspectors have last year refused to do the work, and the remaining inspectors had too much work to do to complete their work correctly." (T. D. H.).

(e) "In connection with Medical School Inspection in Northumberland, we have been seriously handicapped since the inauguration of this service. Physicians have received no salary for the work done during the year 1921 and we cannot expect them to continue without pay." (H. D. M.) There were also not sufficient doctors to inspect entire county.

(f) Could not get sufficient medical men to make examination of entire county.

TABLE 4.

TABLE IV.
VACCINATION REPORT.

MEDICAL INSPECTION OF SCHOOLS.
(School Year Ending June, 1922).

SUB-DISTRICT	School Year Ending June, 1922, Vaccinations			Vacci- nated Prior to this Year	Total
	Free	Private	Total Free and Private		
Albert.....	342		342	1350	1692
Carleton.....	533	126	659	3215	3874
Charlotte*.....				3472	3472
Fredericton**				1313	1313
Gloucester.....	3812	523	4335	3115	7450
Kent*.....					
Kings.....	1908	8	1916	2625	4541
Madawaska.....	653		653	1270	1923
Northumberland.....	591	422	1013	1775	2788
Queens.....	449	11	460	1197	1657
Restigouche.....	321	120	440	1616	2056
St. John (City and County).....	576	1000	576	9293	10869
Sunbury.....	190		190	458	648
Victoria.....	119	1	120	1463	1583
Westmorland.....	1019	67	1086	5311	6397
York.....	457	243	697	3713	4410
Totals.....	10970	2521	13487	41186	54673

* No Inspection during 1921-22.

** Inspector states he vaccinated all unvaccinated pupils, but he has rendered no figures.

Towns 1,000-5,000, Total	***	32.0	1305	688	637	1271	655	616	34	17	13	21	1288	660	626	19	8	11	1.45	101	91	140	123	92	116	110	106	120	113	113
Bathurst	24.6	40.2	134	66	68	130	63	67	4	2	3	1	132	65	67	2	1	1	1.49	5	11	20	23	10	9	6	7	14	14	113
Chatham	44.4	41.0	185	106	79	177	102	75	8	4	4	4	185	106	79				2.4	18	14	21	17	10	13	16	17	10	14	14
Dalhousie	16.3	24.0	47	29	18	47	29	18					46	29	17	1		1	2.12	5	1	7	3	3	4	1	4	4	8	3
Devon	24.2	10.3	20	10	10	20	10	10					19	9	10	1	1	5.00	2.5	1	3			1	2	2	2	5	3	1
Edmundston	56.6	58.9	238	121	117	234	118	115	4	2	3	1	236	120	116	2	1	0.84	1.8	20	14	27	25	23	18	25	13	22	13	15
Grand Falls	28.7	39.1	52	25	27	48	25	23	4	2		4	51	25	26	1		1.92	2.6	4	1	5	6	3	6	4	4	2	7	5
Marysville	25.6	25.4	41	16	25	35	13	22	6	3	3	3	41	16	25				4.7	4	1	4	2	2	4	3	5	8	5	6
Milltown	15.8	15.7	31	17	14	31	17	14					29	17	12	2		2	12.9	4	4	2	2	4	3	1	3	1	2	3
Newcastle	26.6	28.2	99	58	41	95	58	37	4	2		4	97	56	41	2	2	2.02	4.3	7	7	4	5	6	13	9	16	10	7	5
St. Andrews	17.9	10.3	11	6	5	11	6	5					10	5	5	1	1		9.09	1		1	1	1		1	2		2	2
St. George	15.4	18.0	20	11	9	20	11	9					20	11	9					1	2	2	1		1	3	2	2	2	2
St. Stephen	39.7	46.5	161	82	79	159	82	71	2	1		2	157	81	76	4	1	3	0.7	12	15	13	13	17	16	17	17	9	13	4
Sackville	31.9	32.6	71	34	37	71	34	37					69	33	36	2	1	1	5.7	4	4	13	5	1	8	9	5	7	10	3
Shediac	19.2	25.8	51	17	34	51	17	34					51	17	34					6	3	5	2	5	7	3	1	7	3	1
Sunny Brae	20.0	19.6	23	14	9	23	14	9					23	14	9				3.9	3	1	2	1	1	1			3	4	2
Sussex	16.1	24.5	54	25	29	54	25	29					54	25	29				5.7	4	5	4	7	4	2	8	2	8	2	3
Woodstock	18.7	19.8	67	31	36	65	31	34	2	1		2	66	31	35	1		1	1.49	5	5	10	10	1	7	2	6	8	4	4

*Not organized in 1920.

**Included in city and county 1920.

***Different grouping in 1920.

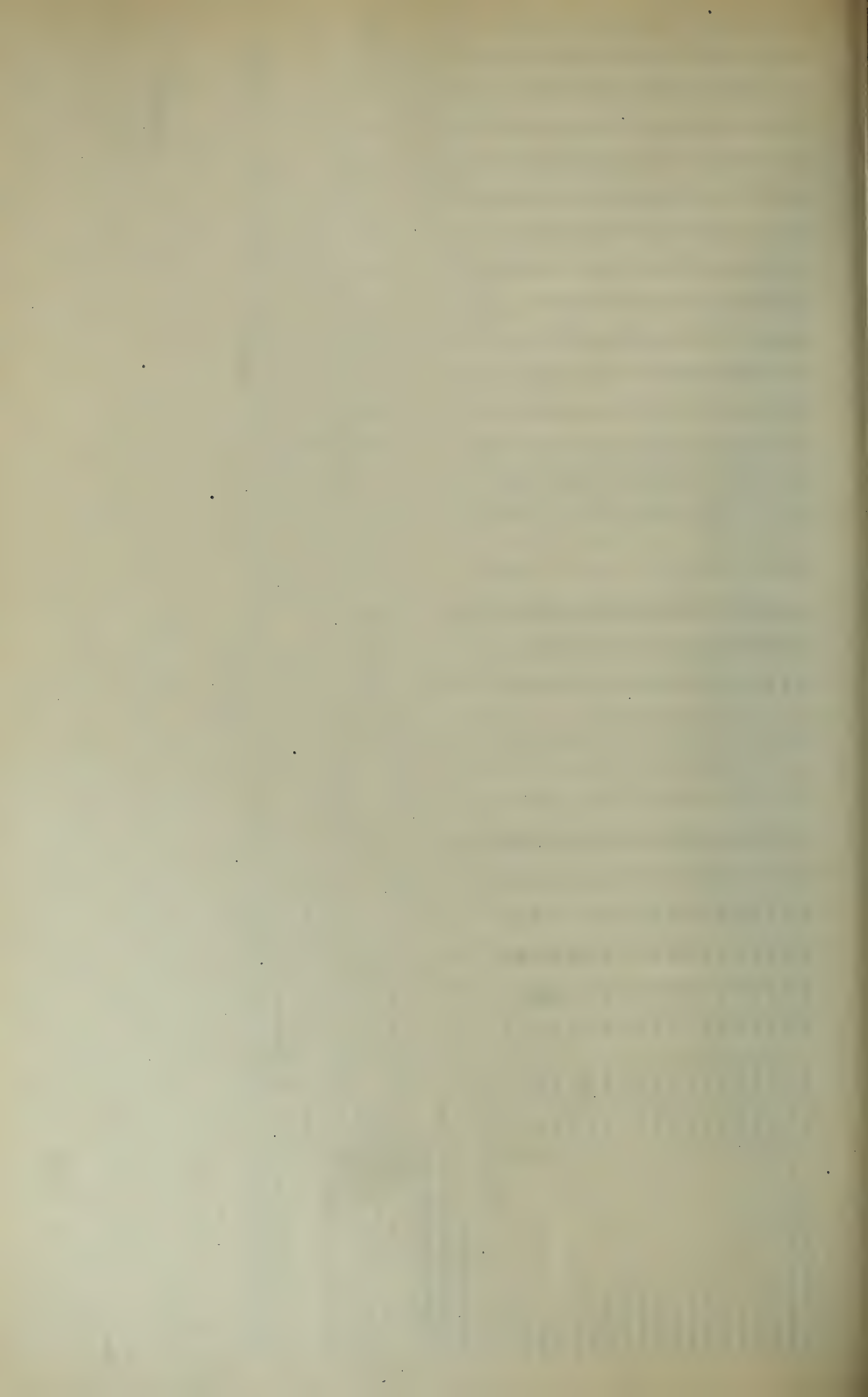


TABLE VI.

BIRTHS — NEW BRUNSWICK — BY RACIAL ORIGIN OF PARENTS — YEAR 1921.

TABLE 6.

RACIAL ORIGIN OF FATHERS	BRITISH RACES					RACIAL ORIGIN OF MOTHERS																						
	English	Irish	Scottish	Welsh	Total	French	German	Armenian	Austrian	Belgian	Chinese	Czecho-Slovak	Danish	Dutch	Greek	Indian	Italian	Jewish	Negro	Norwegian	Polish	Swedish	Swiss	Syrian	Roumanian	Russian	Other	Unspecified
Grand Total.....	11465	3806	1267	1047	26	5053	17		1	7	2		14	37	1	15	6	14	24	10		8		13		8	2	87
English.....	3678	2988	198	311	9	129	10			1			2	11				1		4		3		1				10
Irish.....	1329	233	748	167	3	161								10		1					1	3						2
Scottish.....	1111	367	178	491	6	53	3							9														4
Welsh.....	23	6	7	4	4		1							1														
French.....	4846	89	87	39	1	4619				3																		6
German.....	25	9	5	3		4	3								1					2								
Armenian.....	1					1																						
Austrian.....	2	1							1																			
Belgian.....	4					2				2																		
Chinese.....	4	2									2																	
Czecho-Slovak.....	1			1																								
Danish.....	27	9	4	1						1			12															
Dutch.....	43	20	6	9	1	2								5														
Greek.....	2	1													1													
Indian.....	16					2										14												
Italian.....	26	6	2			12											6											
Jewish.....	14			1														13										
Negro.....	22	1																	21	2								
Norwegian.....	16	8	3	3																								
Polish.....	1			1																								
Swedish.....	12	3	2	2		3																2						
Swiss.....	2	1	1																									
Syrian.....	20					8																		12				
Roumanian.....	2	1				1																						
Russian.....	13	5																								8		
Other.....	6	1	3		1	1														3	1						1	
Unspecified.....	219	55	23	14	1	56																					1	65

TABLE 7.

TABLE VII.
BIRTHS — NEW BRUNSWICK — BY AGES OF PARENTS — YEAR 1921.

Total	AGES OF MOTHERS																														50 and Over	Not Given							
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42			43	44	45	46	47	48	49
Total Married Mothers	11260	1	8	40	109	219	370	437	512	595	618	635	635	657	622	579	485	561	387	469	393	367	363	358	273	326	239	166	146	121	75	57	43	18	6	5	1	4	
Total Unmarried Mothers	205	1	2	5	10	15	17	25	22	17	16	13	10	6	4	3	3	1	.....	2	3	1	1	.....	3	1	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Mothers	11465	1	3	13	50	124	236	395	459	529	611	634	648	643	663	582	488	562	387	471	396	368	364	358	276	327	241	169	146	121	75	57	43	18	6	5	1	4	
Ages of Fathers —																																							
Under 18 Years Old																																							
18.	5							1						1																									
19.	12							3	1																														
20	45							7	8	1	3	2	3	1				1																					
21	116							13	22	18	16	7	5	7	2	4					1																		
22	210							31	41	33	30	11	15	12	7	3	2	2		1							1												
23	269							24	37	45	42	35	28	12	10	8	3	2								2													
24	368							17	39	58	49	73	46	30	14	8	6	2	1		1					2													
25	428							22	38	47	39	80	62	45	31	20	7	12	6	3	1																		
26	464							19	28	42	58	50	63	52	48	43	21	6	6	1	2	2																	
27	507							15	26	34	53	44	48	87	46	61	35	20	13	6	3	1																	
28	484							8	20	31	33	43	55	49	54	65	41	32	21	8	3	2	1	1															
29	601							14	24	30	44	48	40	75	74	73	49	59	24	19	8	5	2	1	4	1													
30	509							1	3	9	13	29	34	45	36	54	49	51	55	46	34	17	14	11	4	1													
31	617							3	8	17	13	22	39	52	49	54	53	73	64	45	57	21	22	6	3	5	1												
32	476							2	5	8	12	14	21	23	37	40	48	43	40	37	51	39	18	13	7	6	4	1											
33	460										17	25	15	25	43	43	38	33	38	37	24	28	23	12	10	9	5	4	1										
34	443							1			11	18	27	16	20	29	48	54	33	38	46	37	27	21	12	10	4	5	3	1									
35	480							1			3	5	10	9	8	14	23	21	24	34	33	25	47	32	36	41	36	11	14	6	2								
36	419							2			5	9	11	18	30	24	34	30	33	48	27	40	41	35	28	20	11	11	4	3	1								
37	401							1			2	3	6	4	13	11	17	22	20	27	26	36	29	42	30	35	31	32	11	9	5	1							
								2			2	2	2	2	8	30	11	16	8	32	14	37	27	42	41	33	26	15	3	7	3	1							

[illegible]

[illegible]

TABLE 9.

TABLE IX.

MARRIAGES — NEW BRUNSWICK — BY CITIES, TOWNS AND RURAL SECTIONS, BY MONTHS AND RATES, 1921.

DIVISIONS	Total	Rate per 1,000		MONTHS, 1921												Nov.	Dec.
		1921	1920	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.				
New Brunswick, 1920.....	3780	.....	10.4	235	180	172	340	238	523	341	297	482	384	331	257	
New Brunswick, 1921.....	3173	8.35	.....	211	176	193	255	207	465	260	262	399	281	284	180	
Counties, exclusive of Cities and Towns over 1,000, Total	1484	5.68	*	77	68	76	120	101	218	138	122	198	135	144	87		
Albert.....	50	5.8	6.6	5	3	4	1	3	7	3	4	6	5	3	6		
Carleton.....	98	5.5	**7.9	1	3	9	9	5	18	5	4	14	10	11	9		
Charlotte.....	63	4.5	4.7	1	.....	1	6	5	12	5	5	11	3	5	9	
Gloucester.....	189	5.3	8.0	17	8	7	34	14	24	16	13	16	21	18	1		
Kent***	113	7.0	***	.....	.....	.....	.....	14	15	16	12	23	14	15	4	
Kings.....	77	4.2	7.1	3	4	2	4	7	13	3	7	11	6	11	6		
Madawaska.....	147	9.1	10.0	11	11	12	10	15	23	19	14	4	15	9	4		
Northumberland.....	130	5.0	5.5	10	5	8	9	5	17	15	14	22	11	8	6		
Queens.....	53	4.5	5.0	3	1	2	5	4	9	8	2	5	3	3	8		
Restigouche.....	82	5.3	6.1	4	7	3	4	4	15	13	10	5	6	9	2		
St. John (County).....	62	4.6	****	4	7	1	5	2	9	4	4	11	6	5	4		
Sunbury.....	29	4.7	2.6	2	.....	2	2	1	6	2	.....	9	.....	1	4	
Victoria.....	132	11.5	12.2	3	6	7	6	7	19	5	19	15	12	20	13		
Westmorland.....	165	5.4	5.0	8	7	10	11	9	19	21	10	28	17	19	6		
York.....	94	4.5	5.3	5	6	8	14	6	12	3	4	18	6	7	5		

Moncton.....	204	11.6	19.2			8	14	23	11	30	15	15	27	15	16	10
St. John (City).....	558	11.8	****			37	41	38	40	103	38	45	61	36	38	32
Cities and Towns, 5,000-10,000, Total..	226	16.5	*			9	17	23	14	25	18	22	37	18	18	14
Campbellton.....	69	12.3	13.0			3	7	11	2	9	5	6	11	5	6	2
Fredericton.....	157	19.3	22.0			6	10	12	12	16	13	16	26	13	12	12
Towns, 1,000-5,000, Total	701	17.2**	19.4			56	52	45	41	89	51	58	76	77	68	37
Bathurst.....	42	12.6	19.0			4	4	1	8	5	3	2	4	1	6	2
Chatham.....	55	12.2	10.2			6	4	2	6	7	4	.....	4	.....	11	2
Dalhousie.....	7	3.5	11.9			4	.....	.....	.....	1	.....	.....	1	1	.....	.....
Devon.....	26	13.5	20.6			.....	1	.....	4	5	2	3	3	4	2	.....
Edmundston.....	50	12.3	11.1			6	4	1	3	9	6	4	2	9	2	1
Grand Falls.....	26	19.5	21.2			2	3	.....	2	2	1	.....	3	7	3	2
Marysville.....	16	9.9	6.1			.....	1	4	.....	3	.....	2	3	1	.....	.....
Milltown.....	14	7.0	11.2			1	1	.....	2	1	.....	2	3	2	.....	1
Newcastle.....	41	11.6	15.3			2	3	7	1	4	4	3	2	4	6	4
St. Andrews.....	12	11.2	16.0			1	2	.....	.....	.....	2	3	.....	2	2	.....
St. George.....	17	15.3	17.3			1	3	1	2	.....	.....	3	3	1	3	.....
St. Stephen.....	167	48.3	52.5			9	13	15	12	18	17	16	22	13	15	11
Sackville.....	25	11.0	15.3			3	1	.....	2	4	.....	2	5	3	3	2
Shediac.....	12	6.0	6.2			3	1	.....	1	1	1	.....	2	2	1	.....
Sunny Brae.....	7	5.9	3.8			.....	.....	2	.....	1	.....	2	.....	1	1	.....
Sussex.....	34	15.4	34.5			4	5	1	2	5	5	2	3	.....	2	1
Woodstock.....	150	44.3	46.9			10	6	11	8	23	6	14	16	26	11	11

* Different grouping.
 ** Exclusive of Hartland
 *** Not in service.
 **** Included in city and county.

TABLE 10.

TABLE X.

MARRIAGES — NEW BRUNSWICK — BY DENOMINATIONS OF CONTRACTING PARTIES, YEAR 1921.

DENOMINATIONS OF GROOMS	DENOMINATIONS OF BRIDES																					
	Totals	Adventists	Anglicans	Baptists	Brethren	Christians	Christian Science	Church of Christ	Congregationalists	Disciples	Jews	Lutherans	Methodists	Presbyterians	Roman Catholics	Salvation Army	Pentecostal	Protestants	Union Church	Unitarians	No Religion	Other Sects
Total.....	3173	20	392	895	3	9	2	3	25	2	8	3	333	312	1118	6	18	2	1	2	10	9
Adventists.....	19	9	1	5																		1
Anglicans.....	381		180	74		2			4				44	54	21		1				1	
Baptists.....	847	8	82	605	1	3			3				67	50	23	1		1				3
Brethren.....	6		2	2	1					1												
Christians.....	8		1	3		2									2							
Christian Science.....	1												1									
Church of Christ.....	3							3														
Congregationalists.....	34		6	11					6				7	1	2							1
Disciples.....	5	1		1						1												2
Jews.....	9		1								8											
Lutherans.....	6		1						1			2		1	1							
Methodists.....	352	1	36	88		2	2		7				158	37	18		1			1		1
Mormons.....	1			1																		
Presbyterians.....	345		56	73	1				1				36	158	15	2	1				1	1
Roman Catholics.....	1103		19	22					1			1	12	8	1034			1	1	1	3	
Salvation Army.....	4													1		3						
Pentecostal.....	2																2					
Protestants.....	21		1	2					1				3		1		13					
Unitarians.....	1			1																		
No Religion.....	12		4	4											2					1	1	
Other Sects.....	13	1	2	3					1				2	1								3

[illegible]

TABLE 12.

TABLE XII.

MARRIAGES — NEW BRUNSWICK.

LITERACY OF CONTRACTING PARTIES ACCORDING TO BIRTHPLACE, 1921.

BIRTHPLACE	BRIDEGROOMS			BRIDES		
	Total	Illiterate	Per Cent. Illiterate	Total	Illiterate	Per Cent. Illiterate
New Brunswick, Total	3173	177	5.6	3173	109	3.4
Canada.....	2651	164	6.2	2742	105	3.8
Prince Edward Island	45	1	2.2	32	2	6.3
Nova Scotia.....	126	1	0.7	136	1	0.7
New Brunswick.....	2328	149	6.4	2476	98	4.0
Quebec.....	112	13	11.6	79	4	5.1
Ontario.....	27			12		
Manitoba.....	2			1		
Saskatchewan.....	1			1		
Alberta.....	2			2		
British Columbia.....	4			2		
Unspecified.....	4			1		
British Isles.....	118			95		
England.....	92			71		
Ireland.....	8			2		
Scotland.....	15			19		
Wales.....	2			3		
Other.....	1					
British Possessions.....	26	1	3.8	24	2	8.3
Newfoundland.....	15			16	2	12.5
Other.....	11	1	9.0	8		
Europe.....	29			15		
Austria.....				1		
France.....	2			1		
Galicia.....	1					
Germany.....	1					
Italy.....	10			4		
Norway.....	1			1		
Poland.....	1			1		
Russia.....	9			6		
Sweden.....	3			1		
Other.....	1					
Asia.....	3			1		
Syria.....	3			1		
United States.....	332	9	2.7	276	2	0.7
Various.....	2					
Unspecified.....	12	3	25.0	20		

TABLE XIII.
MARRIAGES—NEW BRUNSWICK.
By CONJUGAL CONDITION OF CONTRACTING PARTIES, YEAR 1921.

TABLE 13.

DIVISIONS	NUMBER OF MARRIAGES BETWEEN									Not Given
	Bachelors and			Widowers and			Divorced Men and			
	Spinsters	Widows	Divorced Women	Spinsters	Widows	Divorced Women	Spinsters	Widows	Divorced Women	
New Brunswick,— { 1920.....	3100	184	28	265	164	4	13	8	3	4
{ 1921.....	2607	141	23	221	141	7	19	8	6	...
Counties, exclusive of Cities and Towns over 1,000, Total.....	1214	70	8	106	74	5	4	1	2	....
Albert.....	43	1	....	1	4	1	....	....	....	....
Carleton.....	82	3	2	6	3	1	1	....	....	....
Charlotte.....	57	2	....	2	2	....	....	....	....	....
Gloucester.....	154	10	....	15	10	....	....	....	....	....
Kent.....	93	4	1	8	7	....	....	....	....	....
Kings.....	65	3	....	7	2	....	....	....	....	....
Madawaska.....	117	10	....	7	13	....	....	....	....	....
Northumberland.....	98	9	....	17	6	....	....	....	....	....
Queens.....	46	1	....	3	2	....	....	....	1	....
Restigouche.....	65	7	....	6	4	....	....	....	....	....
St. John (County).....	56	3	....	2	1	....	....	....	....	....
Sunbury.....	23	2	....	4	....	....	....	....	....	....
Victoria.....	105	4	2	8	8	3	....	1	1	....
Westmorland.....	138	5	2	13	7	....	....	....	....	....
York.....	72	6	1	7	5	....	3	....	....	....
Cities over 10,000, Total.....	635	29	2	58	27	....	7	2	2	....
Moncton.....	177	5	....	15	7	....	....	....	....	....
St. John (City).....	458	24	2	43	20	....	7	2	2	....
Cities and Towns, 5,000–10,000, Total.....	191	9	....	14	10	1	1	....	....	....
Campbellton.....	56	4	....	5	3	1	....	....	....	....
Fredericton.....	135	5	....	9	7	....	1	....	....	....
Towns, 1,000–5,000, Total.....	567	33	13	43	30	1	7	5	2	....
Bathurst.....	41	....	....	1	....	....	....	....	....	....
Chatham.....	47	3	....	3	2	....	....	....	....	....
Dalhousie.....	7	....	....	....	....	....	....	....	....	....
Devon.....	22	1	1	....	2	1	....	....	....	....
Edmundston.....	44	1	....	2	3	....	....	....	....	....
Grand Falls.....	21	1	....	2	2	....	....	....	....	....
Marysville.....	15	....	....	....	1	....	....	....	....	....
Milltown.....	10	....	....	1	1	....	1	1	....	....
Newcastle.....	35	2	....	....	....	....	3	1	....	....
St. Andrews.....	8	2	....	2	....	....	....	....	....	....
St. George.....	15	1	....	1	....	....	....	....	....	....
St. Stephen.....	123	11	7	12	8	....	3	3	....	....
Sackville.....	18	2	....	3	2	....	....	....	....	....
Shediac.....	9	....	....	2	1	....	....	....	....	....
Sunny Brae.....	7	....	....	....	....	....	....	....	....	....
Sussex.....	29	1	1	3	....	....	....	....	....	....
Woodstock.....	116	8	5	11	8	....	....	....	2	....

[illegible]



TABLE 15.

TABLE XV.
GENERAL MORTALITY — NEW BRUNSWICK
BY MONTHS AND RATES, YEAR 1921.

MONTH	Male	Female	Total M. & F.	RATE PER 1,000 PER YEAR	
				1921	1920
Totals New Brunswick { 1921.....	2858	2552	5410	14.24	.....
1920.....	2931	2697	5628	.....	15.60
January.....	252	230	482	14.92	14.39
February.....	236	199	435	14.91	17.73
March.....	274	237	511	15.82	18.44
April.....	277	249	526	16.83	16.25
May.....	231	208	439	13.59	14.13
June.....	199	166	365	11.68	12.64
July.....	210	205	415	12.85	12.95
August.....	222	238	460	14.24	17.69
September.....	283	235	518	16.57	17.65
October.....	239	200	439	13.59	15.37
November.....	206	194	400	12.80	15.48
December.....	229	191	420	13.01	14.52

TABLE 16.

TABLE XVI.

DEATHS FROM ALL CAUSES BY CITIES, TOWNS AND RURAL SECTIONS, AND MONTHS AND SEX, WITH RATES
NEW BRUNSWICK — YEAR 1921.

PROVINCE AND DIVISIONS	Rate per 1000 Population		Total	January		February		March		April		May		June		July		August		September		October		November		December		
	1920	1921		Total		Total		Total		Total		Total		Total		Total		Total		Total		Total		Total		Total		
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
New Brunswick.— { 1920..... 1921.....	15.60	.....	5628	440	226 214	507	268 239	564	297 267	480	241 239	432	233 199	374	205 169	396	206 190	541	272 269	541	253 269	470	252 218	458	231 227	444	247 197
	14.24	.....	5410	482	252 230	435	236 199	511	274 237	526	277 249	439	231 208	365	199 166	415	210 205	460	222 238	518	283 235	439	239 200	400	206 194	420	229 191
	18.80	16.07	1170	121	61 60	104	59 45	108	54 54	107	59 48	76	37 39	73	42 31	87	44 43	106	45 61	111	59 52	99	53 46	90	43 47	88	54 34	
	18.94	18.48	150	24	12 12	13	4 9	10	6 4	10	6 4	10	5 5	6	4 2	14	4 10	15	3 12	10	6 4	11	7 4	13	5 8	14	11 3	
Moncton.....	13.54	13.43	235	18	11 7	17	10 7	14	7 7	17	10 7	9	3 6	16	10 6	22	12 9	29	16 13	26	13 13	27	17 10	19	8 11	21	11 10	
St. John.....	*19.26	16.64	785	79	38 41	74	45 29	84	41 43	80	43 37	57	29 28	51	28 23	51	27 24	62	26 36	75	40 35	61	29 32	58	30 28	53	32 31	
Cities, Total.....																												
Towns, Total.....	20.2	18.91	875	87	43 44	68	32 36	93	45 48	79	43 6	74	37 37	53	29 24	71	38 33	72	34 38	82	40 42	77	39 38	51	20 31	68	37 31	
Bathurst.....	29.8	18.03	60	2	2 1	1	1	4	1 3	9	6 3	10	5 5	8	2 6	7	4 3	6	2 4	3	1 2	3	1 2	4	3 1	3	1 2	
Campbellton.....	20.4	20.46	114	9	2 7	7	4 5	8	5 3	14	7 7	9	5 4	7	4 3	14	7 7	11	4 7	10	4 6	10	5 5	7	2 5	6	4 2	
Chatham.....	24.7	26.63	120	12	5 7	8	5 3	8	3 5	4	2 2	6	1 5	5	1 4	8	5 3	13	5 8	23	13 10	11	6 5	10	4 6	12	9 3	
Dalhousie.....	9.6	8.67	17	1	1 1	1	1	4	3 1	2	1 1	5	5	3	2 1	4	2 2	1	1	1	1	1	1	1	1	3	2 1	
Devon.....	7.3	7.78	15	1	1 1	1	1	1	1	2	1 1	1	1	3	2 1	1	1	1	1	1	1	1	1	1	1	1	1	
Edmundston.....	22.8	23.00	93	9	5 4	9	3 6	9	6 3	3	2 1	6	3 3	7	5 2	8	2 6	10	6 4	11	3 8	7	3 4	5	3 2	9	4 5	
Grand Falls.....	16.6	23.43	31	1	1 1	1	1	3	4 3	6	5 1	1	1	1	1	1	1	5	4 1	3	2 1	2	2 2	2	1 1	3	2 1	
Marysville.....	20.4	14.87	24	1	1 1	1	1	1	1	8	4 4	4	3 1	1	1	1	1	1	1	2	1 1	4	1 3	1	1 1	1	1 1	
Milltown.....	12.7	15.8	30	4	2 2	3	1 2	3	2 1	3	3	1	1	1	1	4	3 1	4	2 2	3	2 1	3	2 1	1	1 1	4	2 2	
Newcastle.....	17.6	17.67	62	9	8 1	6	4 2	7	5 2	7	4 3	3	3	4	3 1	3	1 2	4	2 2	2	2 2	8	5 3	4	1 3	6	4 2	
St. Andrews.....	14.2	23.47	25	2	1 1	4	1 3	6	2 4	2	2	2	1 1	1	1	3	1 2	4	3 1	4	1 3	2	1 1	1	1 1	1	1 1	
St. George.....	20.9	17.11	19	4	3 1	3	1 2	2	2	2	2	2	1 1	2	1 1	1	1	1	1	2	1 1	2	1 1	1	1 1	3	3	
St. Stephen.....	25.6	22.87	79	9	5 4	5	1 4	14	3 11	9	4 5	12	3 9	2	1 1	5	3 2	1	1	4	1 3	10	6 4	5	1 4	3	3	
Sackville.....	17.6	12.88	28	11	6 5	4	3 1	4	2 2	1	1	4	4	5	5	3 2	1	3	2	1 1	1	4	4	4	1 1	2	2 2	
Shediac.....	32.3	26.35	52	11	6 5	5	3 2	5	2 3	2	1 1	4	1 3	1	1	2	2	4	4	6	3 3	3	1 2	1	1 1	4	2 2	
Sunny Brae.....	15.4	9.39	11	3	1 2	3	2 1	3	1 2	1	1	4	2 2	1	1	2	1 1	2	1 1	1	1	2	2 2	1	1 1	1	1 1	
Sussex.....	17.5	10.0	22	1	1 1	3	2 1	12	7 5	7	3 4	4	2 2	6	2 4	4	3 1	6	3 3	5	4 1	2	2 3	3	3	11	6 5	
Woodstock.....	24.5	21.59	73	8	2 6	4	3 1	12	7 5	7	3 4	4	3 1	6	2 4	4	3 1	6	3 3	5	4 1	3	3	3	3	11	6 5	

Counties, Total	**13.37	12.89	3365	274	148	126	263	145	118	310	175	135	340	175	165	289	157	132	239	128	111	257	128	129	282	143	139	325	184	141	263	147	116	259	143	116	264	138	126		
Albert	13.3	12.90	111	10	6	4	15	9	6	15	10	5	10	6	4	12	5	7	9	7	2	8	5	3	8	2	6	7	4	3	6	4	2	5	1	4	6	4	2		
Carleton	7.9	7.1	126	11	5	6	12	4	8	5	3	2	23	8	15	6	2	4	14	8	6	11	6	5	7	4	3	11	10	1	11	5	6	5	2	3	10	4	6		
Charlotte	14.5	11.20	155	12	4	8	11	6	5	14	9	5	25	11	14	12	5	7	11	5	6	7	6	1	11	7	4	10	4	6	19	10	9	10	3	7	13	4	9		
Gloucester	17.7	16.54	575	48	24	24	35	20	15	36	24	12	52	31	21	51	22	29	47	25	22	58	25	33	58	24	34	66	41	25	58	31	27	38	26	12	28	13	15		
Kent***	***	12.54	200													23	14	9	19	11	8	20	5	15	31	14	17	34	15	19	20	13	7	27	14	13	26	15	11		
Kings	11.2	13.02	247	19	10	9	21	12	9	18	6	12	26	17	9	22	15	7	19	8	11	16	10	6	19	12	7	19	11	8	17	12	5	27	15	12	24	10	14		
Madawaska	23.5	17.01	274	21	15	6	32	21	11	35	20	15	29	14	15	17	12	5	16	7	9	19	9	10	27	14	13	31	16	15	13	8	5	13	8	5	21	12	9		
Northumberland	11.5	12.89	335	25	11	14	29	14	15	42	22	20	31	17	14	26	13	13	19	10	9	32	17	15	33	19	14	35	21	14	22	11	11	20	9	11	21	10	11		
Queens	11.0	10.27	120	22	11	11	7	5	2	16	5	11	16	7	9	8	4	4	6	1	5	5	3	2	8	7	1	4	2	2	7	2	5	12	7	5	9	4	5		
Restigouche	15.2	12.34	189	8	3	5	11	4	7	26	13	13	25	9	16	20	10	10	10	5	5	17	11	6	15	9	6	20	9	11	10	4	6	10	6	4	17	12	5		
St. John (County)	*	19.81	264	23	13	10	28	15	13	31	20	11	21	8	13	23	15	8	18	14	4	13	6	7	10	6	4	22	13	9	26	15	11	22	13	9	27	19	8		
Sunbury	10.2	10.06	62	9	4	5	3	3	1	6	2	4	5	2	3	6	1	5	3	2	1	4	2	2	4	2	2	4	2	6	2	4	5	4	1	5	2	3	6	4	2
Victoria	10.3	9.84	113	9	6	3	11	5	6	10	8	2	9	3	6	16	9	7	4	2	2	9	3	6	8	2	6	15	10	5	10	5	5	9	5	4	3	1	2		
Westmorland	10.9	11.15	341	31	19	12	33	18	15	35	23	12	38	26	12	23	16	7	29	16	13	19	6	13	27	15	12	32	18	14	19	12	7	28	16	12	27	14	13		
York	12.4	12.27	253	26	17	9	15	9	6	21	10	11	30	16	14	24	14	10	15	7	8	19	14	5	16	6	10	13	8	5	20	11	9	28	16	12	26	12	14		

* Includes St. John City and County.
 ** Exclusive of St. John County.
 *** Only eight months in service.

TABLE 17.

TABLE XVII.
DEATHS BY AGE-GROUPS AND BY SEX, WITH PERCENTAGES
NEW BRUNSWICK — YEAR 1921.

AGE-GROUP	Male	Female	Total Male and Female	Per Cent. of Total
New Brunswick (All Ages) { 1920.....	2931	2697	5628	100.00
1921.....	2858	2552	5410	100.00
Under 1 year.....	740	559	1299	24.0
1 year.....	126	118	244	4.5
2 years.....	41	38	79	1.4
3 years.....	39	31	70	1.2
4 years.....	31	21	52	0.9
5-9.....	78	80	158	2.9
10-14.....	66	42	108	1.9
15-19.....	77	92	169	3.1
20-24.....	70	76	146	2.7
25-29.....	76	64	140	2.5
30-39.....	121	150	271	5.0
40-49.....	158	127	285	5.3
50-59.....	176	190	366	6.7
60-69.....	295	279	574	10.6
70-79.....	431	369	800	14.7
80-89.....	289	244	533	9.8
90-99.....	33	66	99	1.8
Over 100.....	4	4	8	0.14
Not stated.....	7	2	9	0.16

TABLE 18.

TABLE XVIII.

INFANTILE MORTALITY (UNDER ONE YEAR)—NEW BRUNSWICK—
BY CITIES, TOWNS, RURAL SECTIONS AND MONTHS,
WITH RATES—YEAR 1921.

PROVINCE AND DIVISIONS	Total Births 1921	No. Deaths Under One Year	Rate per 1,000 Births		MONTHS — DEATHS UNDER ONE YEAR — 1921											
			1921	1920	January	February	March	April	May	June	July	August	September	October	November	December
New Brunswick.— { 1920.....	10778	1454		134.9	68	89	104	101	97	74	100	243	231	139	103	105
{ 1921.....	11465	1299	113.30		89	92	132	93	94	72	109	146	202	115	82	73
Counties, Excluding Towns Over 1,000, Total.....	7837	814	103.84	*	54	(1	83	59	65	49	57	92	133	64	51	46
Albert.....	203	13	64.04	113.8	1	2	3		2	2			1		1	1
Carleton.....	409	17	41.56	37.5**	1	6		3			1	1	2	1		2
Charlotte.....	286	14	48.95	65.5	1	2	2	3	1		1		2	2		
Gloucester.....	1546	219	145.61	180.4	14	9	15	15	14	17	18	33	37	26	14	7
Kent.....	485	73	150.51	***					8	3	6	13	19	8	7	9
Kings.....	389	24	61.69	50.1	5	1	1	1	2	6			1	2	2	3
Madawaska.....	730	124	169.86	236.8	5	10	21	8	10	6	8	19	20	3	4	10
Northumberland.....	747	74	99.06	89.1	4	6	13	3	3	6	1	11	15	6	3	3
Queens.....	276	14	50.72	57.7	5	1	1	2	1					1	3	
Restigouche.....	668	72	107.78	206.5	2	5	9	7	8	2	8	5	11	4	5	6
St. John (County).....	223	23	103.13	152.6x	2	5	4	2	1		1	1	3	1	3	
Sunbury.....	149	9	60.40	43.7	1			1	1	1	2	1		1		1
Victoria.....	357	31	86.83	97.5	1	3	2	5	6	1	3		7	2		1
Westmorland.....	814	65	79.85	84.9	8	5	9	3	2	2	5	7	12	3	6	3
York.....	597	42	70.35	79.2	4	6	3	6	6	3	3	1	3	4	3	
Cities Over 10,000, Total.....	1845	241	130.65	*	14	12	24	19	16	10	21	27	41	30	18	9
Moncton.....	620	61	98.39	123.0	4	4	4		1	2	6	12	11	12	2	3
St. John (City) x.....	1225	180	146.93	152.6x	10	8	20	19	15	8	15	15	30	18	16	6
Cities and Towns 5,000 to 10,000, Total.....	478	59	123.43	*	6	9	5	3	3	1	9	7	6	4	3	3
Campbellton.....	243	40	164.63	226.1	3	7	2	2	2	1	8	5	3	4	2	1
Fredericton.....	235	19	80.85	105.7	3	2	3	1	1		1	2	3		1	2
Towns 1,000 to 5,000, Total.....	1305	185	141.76	181.1	15	10	20	12	10	12	22	20	22	17	10	15
Bathurst.....	134	22	164.18	250.1	1			2	3	4	5	3	1		1	2
Chatham.....	185	28	151.35	184.0	2	1	1		2	1	2	4	7	1	3	4
Dalhousie.....	47	1	21.27	117.6										1		
Devon.....	20	2	100.0	75.0				1							1	
Edmundston.....	238	50	210.09	259.2	3	3	8	2	2	4	7	6	8	3	3	1
Grand Falls.....	52	9	173.07	78.9			2	1		1		3	1			1
Marysville.....	41	6	146.31	95.2				2						3	1	
Milltown.....	31	6	193.55	193.5			2				2		1			1
Newcastle.....	99	17	171.71	163.0	4	1	1	1		1	2	2	1	2		2
St. Andrews.....	11	1	90.90	210.5			1									
St. George.....	20	4	200.0	117.6		1	1	1						1		
St. Stephen.....	161	12	74.53	103.7	1	1	2	2	1		1			3	1	
Sackville.....	71	7	98.59	115.9		1			1	1	1			2		1
Shediac.....	51	7	137.25	324.3	2		1				1	1	1			1
Sunny Brae.....	23	5	217.39	192.3	2							1		1	1	
Sussex.....	54	1	18.51	85.7		1										
Woodstock.....	67	7	104.47	123.0		1	1		1		1		1			2

* Different grouping in 1920.

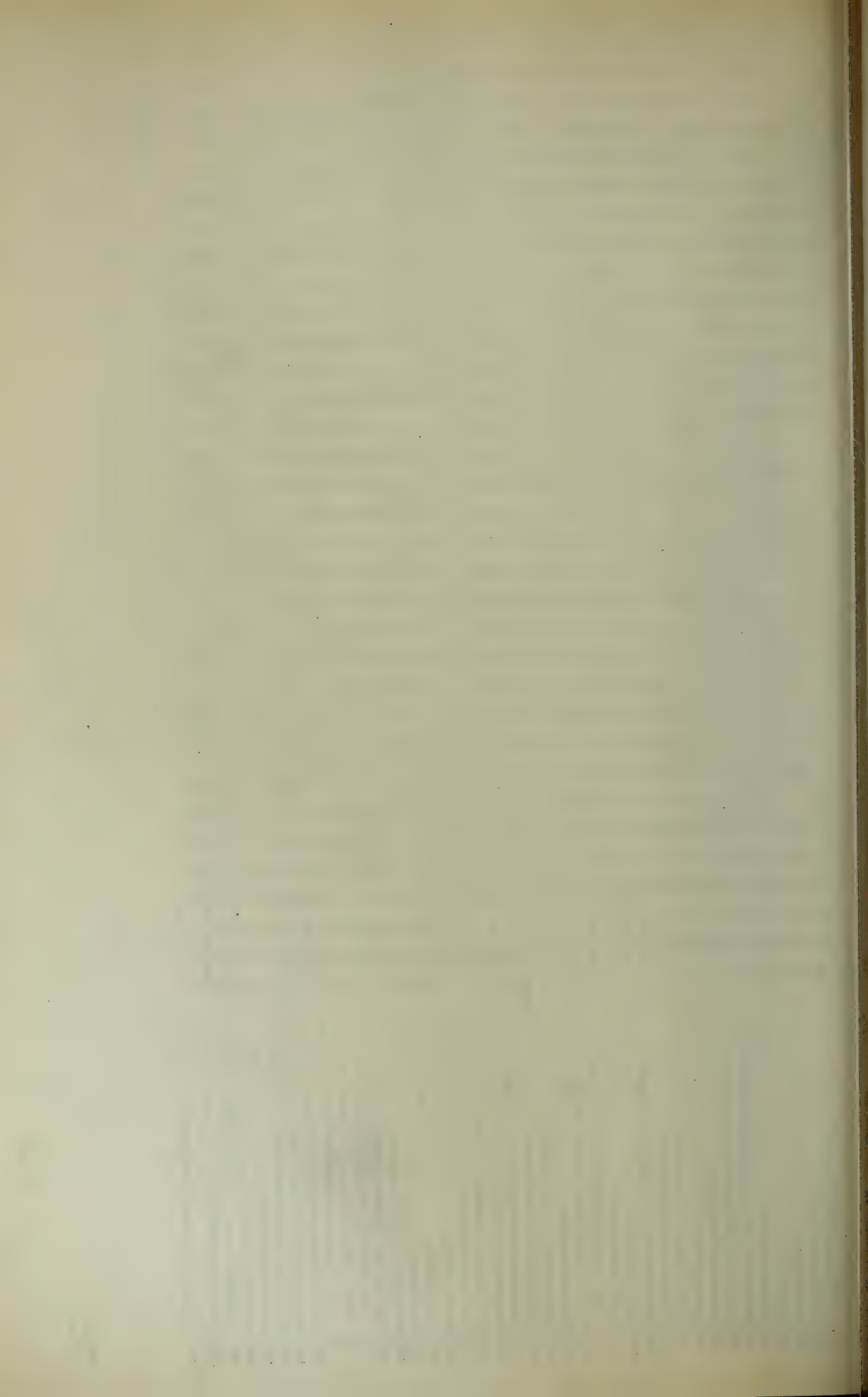
** Exclusive of Hartland in 1920.

*** Not in service first four months.

x Includes city and county.

**** Inclusive of Hartland and Campbellton in 1920.

73	Other diseases of the spinal cord.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1</
----	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----



[illegible]

TABLE 22.

TABLE XXII.
DEATHS BY RACIAL ORIGIN OF DECEDENTS AND SEX.
NEW BRUNSWICK — YEAR 1921.

Racial Origins	New Brunswick		
	Male	Female	Total
Grand Total.....	2858	2552	5410
English.....	962	876	1838
Irish.....	490	448	938
Scotch.....	329	307	636
Welsh.....	9	5	14
French.....	975	847	1822
German.....	7	2	9
Austrian.....	3	....	3
Belgian.....	....	1	1
Chinese.....	1	1	2
Danish.....	6	6	12
Dutch.....	18	10	28
Finnish.....	1	....	1
Greek.....	2	....	2
Indian.....	9	8	17
Italian.....	4	5	9
Jewish.....	7	2	9
Negro.....	4	5	9
Norwegian.....	1	2	3
Polish.....	....	1	1
Swedish.....	3	2	5
Syrian.....	....	2	2
Roumanian.....	1	1	2
Russian.....	2	....	2
Unspecified.....	24	21	45

TABLE XXIII.

TWELVE PAGES.

CAUSES OF DEATH BY SEX, AGES AND MONTHS FOR NEW BRUNSWICK, AND RATES PER 100,000 PER CAUSE
YEAR 1921.

[illegible]

TABLE 23.—Continued.

TABLE XXIII.—Continued.

CAUSES OF DEATH BY SEX, AGES AND MONTHS FOR NEW BRUNSWICK, AND RATES PER 100,000 PER CAUSE YEAR 1921.

No.	CAUSE OF DEATH	Rate per 100,000 Population		Total	AGES													NATIVITY				CONJUGAL CONDITION				MONTHS																			
		1920	1921		Under 1 Year	1 Year	2 Years	3 Years	4 Years	5-9 Years	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-39 Years	40-49 Years	50-59 Years	60-69 Years	70-79 Years	80-89 Years	90-99 Years	100 and Over	Not Stated	Canada	British	Foreign	Not Stated	Single	Married	Widowed	Divorced	Not Stated	January	February	March	April	May	June	July	August	September	October	November	December	
80	Infantile convulsions (under 5 years of age).....	M. 11.91	F. 10.78	25	20	3	1	1																24		1		25					1	2	6	5	4		3	3	1	1			
81	Chorea.....	M. 0.83	F. 0.26	16	14	1	1																	16				16					1	3	2	2	1	2	1		1	2			
82	Neuralgia and neuritis.....	M. 0.27	F. 0.79	2				1							1								2				1		1																
83	Softening of the brain.....	M. 1.38	F. 1.58	6												1							6				1		1	5			1	1			1			1	2				
84	Other diseases of the nervous system.....	M. 1.38	F. 4.21	8												1	1						8				7		1				2												
85	Diseases of the ears and of the mastoid sinus.....	M. 5	F. 2.10	5				1								3							5				2		2	1			3												
86	Diseases of the ears and of the mastoid sinus.....	M. 2.21	F. 2.10	3												1							3				1		1	1			2	1											
CLASS III.—DISEASES OF THE CIRCULATORY SYSTEM.																																													
Total.....																																													
M. 283																																													
F. 241																																													
M. 4																																													
F. 2																																													
M. 10																																													
F. 13																																													
M. 10																																													
F. 9																																													
M. 195																																													
F. 177																																													
M. 55																																													
F. 33																																													
M. 3																																													
F. 1																																													
M. 1																																													
F. 1																																													

[illegible]

TABLE 23.—Continued.

TABLE XXIII.—Continued.

CAUSES OF DEATH BY SEX, AGES AND MONTHS FOR NEW BRUNSWICK, AND RATES PER 100,000 PER CAUSE
YEAR 1921.

[illegible]

(a) Railroad accidents.....	M.	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
-----------------------------	----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 24.—Continued.

TABLE XXIV—Continued.

CAUSES OF DEATH BY SEX, AGES AND MONTHS — ST. JOHN CITY — YEAR 1921.

[illegible]

[illegible]

TABLE XXIV—Continued.

CAUSES OF DEATH BY SEX, AGES AND MONTHS — ST. JOHN CITY — YEAR 1921.

[illegible]

[illegible]

(61)

TABLE 24.—*Continued.*

TABLE XXIV—Continued.

CAUSES OF DEATH BY SEX, AGES AND MONTHS—ST. JOHN CITY—YEAR 1921

[illegible]

[illegible]

TABLE 25. — Continued.

TABLE XXV—Continued.

CAUSES OF DEATH BY SEX, AGES AND MONTHS — MONCTON CITY — YEAR 1921.

No.	CAUSE OF DEATH	Rate per 100,000 Population		AGES												NATIVITY			CONJUGAL CONDITION					MONTHS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		1920	1921	Total	Under 1 Year	1 Year	2 Years	3 Years	4 Years	5-9 Years	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-39 Years	40-49 Years	50-59 Years	60-69 Years	70-79 Years	80-89 Years	90-99 Years	100 and Over	Canada	British	Foreign	Not Stated	Single	Married	Widowed	Divorced	Not Stated	January	February	March	April	May	June	July	August	September	October	November	December																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
80	Infantile convulsions (under five).....	M.	17.82	22.88	{	3	1	1	1															3										1	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
86	Diseases of ears and mastoid.....	F.																					1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	CLASS III.—DISEASES OF THE CIRCULATORY SYSTEM.	F.	5.94	11.44	2							1												2						1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Total.....	M.			14	1							1	1	2									12	1	1			2	10	2		2	2	1	1	2	1	2	1	2	1	2	1	2	1	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		F.			9																		9						4	5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
89	Angina pectoris.....	M.			{																		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
90	Other diseases of heart.....	M.	142.56	85.80	6																		4	1	1				6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		F.			8																		8						3	5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
91	(a) Arterio sclerosis.....	M.	29.70	28.60	5																		5						3	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
92	Embolism and thrombosis (not cerebral).....	M.	O	11.44	{	1								1									1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		F.			1																		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
94	Diseases of lymphatic system.....	M.	O	5.72	1																		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	CLASS IV.—DISEASES OF THE RESPIRATORY SYSTEM.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	Total.....	M.			22	5	4	2	1	1				3		1	2	1					21		1				14	7	1		2	4	1	1	4	2	1				2	1	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		F.			9	1		1	1			2	1				1	2				9						5	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
99	Bronchitis.....	M.	17.82	17.16	2																		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		F.																					2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
100	Broncho-pneumonia.....	M.			7	2	2																6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

CLASS V.—DISEASES OF THE DIGESTIVE SYSTEM.		M.	25	15	1	1	2	1	2	25	21	4	1	2	2	1	6	5	1
Total		F. <td>19</td> <td>12</td> <td>1</td> <td>2</td> <td>1</td> <td>2</td> <td>1</td> <td>18</td> <td>14</td> <td>3</td> <td>2</td> <td>1</td> <td>2</td> <td>2</td> <td>3</td> <td>4</td> <td>3</td>	19	12	1	2	1	2	1	18	14	3	2	1	2	2	3	4	3
109	Diseases pharynx and tonsils	M. <td>3</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td> <td>2</td> <td>1</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td>	3	1						3	2	1		1					
112	Diseases of stomach (cancer excepted)	F. <td>1</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1		1					1		1							
113	Diarrhoea and enteritis (under two)	M. <td>14</td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>14</td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>4</td> <td>6</td>	14	14						14	14						1	4	6
		F. <td>11</td> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11</td> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>4</td> <td>3</td>	11	11						11	11						2	4	3
114	Diarrhoea and enteritis (2 years and over)	F. <td>1</td> <td></td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td>1</td> <td>2</td> <td>3</td>	1		1	1				1	2	1	1	1	1		1	2	3
117	Appendicitis and typhlitis	M. <td>2</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	2		1					2	1	1							
118	(b) Intestinal obstruction	M. <td>2</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	2		1					2	1	1							
		F. <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	2							2	1	1							
119	Other diseases of intestines	M. <td>1</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1		1					1	1	1							
		F. <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1	1						1	1	1							
123	Biliary calculi	F. <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1							1	1								
124	Other diseases of liver	F. <td>1</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td>1</td> <td>1</td> <td></td> <td>1</td> <td>6</td> <td>2</td>	1		1					1	1	1		1	1		1	6	2
126	Peritonitis without specified cause	M. <td>2</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>4</td> <td>3</td>	2		1					2	1	1					2	4	3
		F. <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td></td> <td></td> <td>1</td> <td>1</td> <td></td> <td>1</td> <td>2</td> <td>3</td>	1							1	1			1	1		1	2	3
127	Other diseases of digestive system (cancer and tuberculosis excepted)	M. <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1							1		1							
CLASS VI.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ITS ANNEXA.																			
Total		M. <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td>	2							2	2	2	2	1	1	1	1		
		F. <td>4</td> <td></td> <td>1</td> <td>2</td> <td>1</td> <td></td> <td></td> <td>4</td> <td>4</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	4		1	2	1			4	4	1							
129	Chronic nephritis (unspecified, 10 years and over)	M. <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1							1	1	1							
		F. <td>4</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>4</td> <td>1</td> <td>2</td> <td>2</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td>	4		1					4	1	2	2	1	1	1	1		
131	Other diseases of kidneys and their annexa	M. <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>2</td> <td>2</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td>	1							1	1	2	2	1	1	1	1		
135	Diseases of the prostate	F. <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> <td>1</td> <td>2</td> <td>2</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td>	4							4	1	2	2	1	1	1	1		
137	Cysts and other benign tumours of the ovary	M. <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1							1	1	1							
CLASS VII.—THE PUERPERAL STATE.																			
Total		F. <td>4</td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td>	4		1	1	1			4	4	4	4	1	1	1	1		
144	Puerperal haemorrhage	O <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1							1	1	1	1						
148	Puerperal albuminuria and convulsions	F. <td>3</td> <td></td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td>	3		1	1				3	3	3	3	1	1	1	1		
CLASS VIII.—DISEASES OF THE SKIN AND CELLULAR TISSUE.																			
Total		F. <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1							1	1	1	1						
151	Gangrene	F. <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1							1	1	1	1						
CLASS X.—MALFORMATIONS.																			
Total		F. <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td>	1	1						1	1	1	1	1	1	1	1		
159	Congenital malformations (stillbirths not included)	F. <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td>	1	1						1	1	1	1	1	1	1	1		

[67]

TABLE 25.—Continued.

TABLE XXV—Continued.

CAUSES OF DEATH BY SEX, AGES AND MONTHS — MONCTON CITY — YEAR 1921.

[illegible]

TABLE XXVI.

FOUR PAGES.

TABLE 26. — Continued.

TABLE XXVI. — Continued.

CAUSES OF DEATH BY SEX, AGES AND MONTHS — CITY OF FREDERICTON — YEAR 1921.

No.	CAUSE OF DEATH	Rate per 100,000 Population		AGES													NATIVITY				Conjugal Condition				MONTHS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		1920	1921	Total	Under 1 Year	1 Year	2 Years	3 Years	4 Years	5-9 Years	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-39 Years	40-49 Years	50-59 Years	60-69 Years	70-79 Years	80-89 Years	90-99 Years	100 and Over	Not Stated	Canada	British	Foreign	Not Stated	Single	Married	Widowed	Divorced	Not Stated	January	February	March	April	May	June	July	August	September	October	November	December																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
100	(a) Broncho-pneumonia.....	M.		3	2															1				3					2	1								1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	(b) Capillary E-onchitis.....	F.		1	1																		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
101	Pneumonia, total.....	M.		9																			8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	(a) Lobar.....	F.	249.20	308.00	11																		9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	(b) Not otherwise defined.....	M.		6																			6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		F.		6																			5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</

TABLES 27-30.

THE CITIES.

TABLE XXVII. ST. JOHN CITY — DEATHS FROM ALL CAUSES BY MONTHS, SEX AND RATES. YEAR 1921.						TABLE XXVIII. ST. JOHN CITY — INFANTILE MOR- TALITY (UNDER ONE YEAR) BY MONTHS AND RATES. YEAR 1921.				
MONTHS	Male	Female	Total Male and Female	Rates per 1000		MONTHS	No. of Births	Deaths Under 1 Year	Rates per 1000 Births	
				1921	1920				1921	1920
January.....	38	41	79	19.70	(Included in City and County)	January.....	100	10	100.0	(Included in City and County)
February.....	45	29	74	20.42		February.....	101	8	79.2	
March.....	41	43	84	20.94		March.....	118	20	169.4	
April.....	43	37	80	20.61		April.....	105	19	180.4	
May.....	29	28	57	14.21		May.....	102	15	147.0	
June.....	28	23	51	13.13		June.....	115	8	69.5	
July.....	27	24	51	12.70		July.....	98	15	153.0	
August.....	26	36	62	15.46		August.....	79	15	151.0	
September.....	40	35	75	19.32		September.....	102	30	294.1	
October.....	29	32	61	15.21		October.....	92	18	195.6	
November.....	30	28	58	14.94		November.....	91	16	175.8	
December.....	32	21	53	13.21		December.....	102	6	58.8	
Totals.....	408	377	785	16.63		Totals.....	1225	180	146.9	
TABLE XXIX. CITY OF MONCTON — DEATHS FROM ALL CAUSES BY MONTHS, SEX AND RATES. YEAR 1921.						TABLE XXX. CITY OF MONCTON — INFANTILE MORTALITY (UNDER ONE YEAR) BY MONTHS AND RATES. YEAR 1921.				
MONTHS	Male	Female	Total Male and Female	Rates per 1000		MONTHS	No. of Births	Deaths Under 1 Year	Rates per 1000 Births	
				1921	1920				1921	1920
January.....	11	7	18	12.10	11.9	January.....	50	4	80.0	58.8
February.....	10	7	17	12.65	14.9	February.....	60	4	66.6	60.0
March.....	7	7	14	9.41	17.5	March.....	78	4	51.3	123.4
April.....	10	7	17	11.81	21.7	April.....	53	.....	.....	54.0
May.....	3	6	9	6.05	13.3	May.....	53	1	18.8	79.3
June.....	10	6	16	11.09	9.4	June.....	48	2	41.6	39.2
July.....	13	9	22	14.79	16.8	July.....	44	6	136.3	104.4
August.....	16	13	29	19.50	23.1	August.....	53	12	226.5	321.4
September.....	13	13	26	18.06	19.6	September.....	43	11	255.8	312.5
October.....	17	10	27	18.16	18.9	October.....	44	12	272.7	52.6
November.....	8	11	19	13.20	21.7	November.....	40	2	50.0	166.6
December.....	11	10	21	14.12	15.1	December.....	54	3	55.5	150.9
Totals.....	129	106	235	13.42	17.1	Totals.....	620	61	98.3	123.0

THE CITIES — *Continued.*

TABLE XXXI. CITY OF FREDERICTON — DEATHS FROM ALL CAUSES BY MONTHS, SEX AND RATES. YEAR 1921.						TABLE XXXII. CITY OF FREDERICTON — INFANTILE MORTALITY (UNDER ONE YEAR) BY MONTHS AND RATES. YEAR 1921.					
MONTHS	Male	Female	Total Male and Female	Rates per 1000		MONTHS	No. of Births	Deaths Under 1 Year	Rates per 1000 Births.		
				1921	1920				1921	1920	
January.....	12	12	24	34.83	19.1	January.....	18	3	166.6	100.0	
February.....	4	9	13	20.88	29.7	February.....	26	2	76.9	.....
March.....	6	4	10	14.51	14.7	March.....	18	3	166.6	133.3	
April.....	6	4	10	14.99	13.7	April.....	13	1	76.9	74.0	
May.....	5	5	10	14.51	22.0	May.....	20	1	50.0	107.1	
June.....	4	2	6	8.99	16.6	June.....	22	.....	.....	111.1	
July.....	4	10	14	20.31	19.1	July.....	26	1	38.5	50.0	
August.....	3	12	15	21.76	17.6	August.....	19	2	105.2	130.4	
September.....	6	4	10	14.99	19.7	September.....	18	3	166.6	214.3	
October.....	7	4	11	15.96	16.1	October.....	14	.....	.....	117.6	
November.....	5	8	13	19.49	27.3	November.....	17	1	58.8	153.8	
December.....	11	3	14	20.31	11.7	December.....	24	2	83.3	117.6	
Totals.....	73	77	150	18.49	18.9	Totals.....	235	19	80.8	105.7	

BIRTHS, MARRIAGES AND DEATHS — NEW BRUNSWICK — 1922

By SUB-DISTRICTS AND MONTHS

(Tentative: Subject to Revision: Chiefly by way of addition)

SUB-DISTRICT	MONTHS												Total	
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
Births, New Brunswick	1921....	855	903	1063	1014	981	986	997	999	943	907	864	953	11465
	1922....	1004	1095	1095	1062	965	919	1014	947	947	798	844	789	11406
Albert.....	20	19	18	15	13	19	18	13	18	18	19	15	205	
Carleton.....	51	49	45	51	35	34	36	38	39	33	36	31	478	
Charlotte.....	43	45	51	48	39	53	42	45	35	42	34	35	512	
Fredericton.....	27	12	24	16	18	29	16	27	22	17	17	22	247	
Gloucester.....	115	142	166	152	129	121	149	132	132	111	115	100	1564	
Kent.....	66	73	75	72	66	57	65	59	72	43	49	49	746	
Kings.....	43	35	41	39	28	36	33	36	46	35	35	24	431	
Madawaska.....	65	94	97	93	93	67	87	77	75	58	70	84	960	
Northumberland.....	87	76	74	91	89	69	91	77	78	60	62	69	923	
Queens.....	24	16	19	25	22	29	26	15	27	19	17	19	258	
Restigouche.....	96	83	105	100	78	69	95	83	75	68	85	59	996	
St. John (City and County)	136	147	127	145	123	118	116	130	117	101	107	104	1471	
Sunbury.....	12	16	7	13	15	7	17	9	8	15	9	12	140	
Victoria.....	32	29	44	41	36	39	42	35	26	32	26	36	418	
Westmorland.....	158	106	148	120	120	123	135	124	137	104	108	84	1467	
York.....	47	62	54	41	61	49	46	47	40	42	55	46	590	
Marriages, New Brunswick	1921....	211	176	193	255	207	465	260	262	399	281	284	180	3173
	1922....	184	171	127	169	168	329	265	239	349	324	278	175	2778
Albert.....	4	1	1	3	1	8	7	1	6	5	6	3	46	
Carleton.....	13	14	17	9	13	44	18	26	37	37	23	15	266	
Charlotte.....	12	17	11	10	10	12	22	16	32	25	21	22	210	
Fredericton.....	9	7	12	12	7	15	4	12	11	18	13	15	135	
Gloucester.....	12	15	3	17	17	11	19	17	25	30	23	3	192	
Kent.....	8	6	3	5	9	4	13	6	12	11	23	3	103	
Kings.....	4	6	5	15	5	8	6	14	21	6	6	8	104	
Madawaska.....	12	10	4	9	8	27	19	11	14	8	6	4	132	
Northumberland.....	12	12	9	7	17	18	21	13	28	13	23	12	185	
Queens.....	4		1	1	4	9	6	2	5	7	4	4	47	
Restigouche.....	13	16	3	9	12	19	20	19	14	27	17	6	178	
St. John (City and County)	40	26	23	38	30	83	49	38	52	51	46	36	512	
Sunbury.....						5	2	1	4	1	2	2	17	
Victoria.....	6	11	9	11	5	17	9	17	17	22	16	13	153	
Westmorland.....	29	24	21	15	29	41	40	33	57	50	42	18	399	
York.....	6	6	5	8	1	8	10	13	14	13	7	8	99	
Deaths, New Brunswick	1921....	482	435	511	526	439	365	415	460	518	439	400	420	5410
	1922....	499	512	523	437	401	340	334	380	445	417	405	387	5080
Albert.....	6	8	16	11	7	6	12	3	6	11	10	5	101	
Carleton.....	25	22	19	18	24	17	15	18	17	14	21	12	222	
Charlotte.....	19	36	34	31	26	14	18	18	22	22	25	28	293	
Fredericton.....	20	14	13	14	10	15	10	10	13	13	10	10	152	
Gloucester.....	50	48	65	38	28	36	24	44	50	39	41	43	506	
Kent.....	27	34	46	23	32	20	18	12	31	34	28	30	335	
Kings.....	19	22	17	21	17	14	16	14	24	23	19	19	225	
Madawaska.....	29	28	21	24	22	15	16	30	20	21	35	24	285	
Northumberland.....	47	45	35	40	34	29	26	28	49	28	23	24	408	
Queens.....	11	16	15	14	7	9	7	10	5	10	14	11	129	
Restigouche.....	27	18	31	24	29	13	15	30	36	27	18	21	289	
St. John (City and County)	106	94	86	75	67	69	77	80	75	83	76	60	968	
Sunbury.....	9	9	11	5	2	6	4	3	7	3	8	5	72	
Victoria.....	9	13	18	17	13	15	15	13	17	14	4	9	157	
Westmorland.....	80	62	67	60	57	43	47	48	56	59	52	47	678	
York.....	15	43	29	22	26	19	14	19	17	16	21	19	260	

APPENDIX I.

ANNUAL REPORT
OF CHIEF OF LABORATORY.

ANNUAL REPORT OF THE BUREAU OF LABORATORIES
YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the
Hon. the Minister of Health, for the year 1921-22.

H. L. ABRAMSON,
Chief of Laboratories.

The work performed during the year November 1, 1921, to October 31, 1922, is less in total than that done in 1920-21. Table I presents the figures of all the examinations made, tabulated as to kind of examination and also as to the particular organization for which they were done. It will be noted that the total number of examinations of all kinds and for all organizations is 8,558 for 1921-1922, while in the preceding year the total is 9,814. This represents a decrease of 1,256 examinations.

In looking at the figures for throat culture, it will be observed that for the past year the total is 1,764, whereas for 1920-1921, 4,083 throat culture examinations were made. This is a decrease of 2,319 throat culture examinations in 1921-22. This marked diminution in throat culture examinations more than accounts for the decrease in the total number of examinations performed in 1921-22 over the previous year.

Removing the figures for throat culture examinations from the calculations it will be found that the total for all other examinations in 1921-22 exceeds the total in 1920-21 by 1,063 examinations. This fact is brought to the fore because the figures in the table would indicate that there has been a slump in the work of the laboratory, when actually the reverse is true. Our capacity for performing throat culture examinations is not limited by the size of the staff or our facilities for doing the work. The laboratory can do ten thousand or more throat culture examinations, if the work were offered, without embarrassment. In the past year, the prevalence of diphtheria and sore throats has diminished. This is the chief reason for the reduction in throat culture examinations. While it is urged that every acute sore throat in the province should have a culture examination, it is to be hoped that the need for such examinations will diminish year by year.

The greatest instrument that has been put into the hands of the public health worker for the diminution of diphtheria morbidity and mortality is the method of active immunization by inoculations of toxin-antitoxin. This method has been used by Park and Zingher of the New York City Department of Health to inoculate tens of thousands of children in the public schools and child-caring institutions. It has proved effective and harmless. It should be the aim of the New Brunswick Department of Health to familiarize the public as to the great benefit and harmlessness of specific inoculation against diphtheria. It should be applied as routinely as is vaccination against smallpox. It is altogether less painful and produces much less reaction than vaccination against smallpox. By this method, and only this method, are the morbidity and mortality figures for diphtheria to be further reduced. Diphtheria antitoxin has played and is still playing its great role in keeping down diphtheria deaths, but this method of active immunization will diminish the use of antitoxin because it will diminish the number of diphtheria cases. The Provincial Memorial Home, Wright Street, whose inmates were immunized two years ago have for two successive years been without a case of diphtheria, whereas previously this institution sent a good number of cases of this disease to the Epidemic Hospital, some of which proved fatal. Any money spent for the more wide-spread application of this

great preventive measure is an investment that will yield the greatest returns, as measured in terms of actual money, to the citizens of this province. It will mean diminished medical and undertakers' bills, besides the saving to the province of its valuable productive citizenship.

Toxin-antitoxin mixture, the vaccine used for inoculation against diphtheria, can be obtained by any registered physician from the Bureau of Laboratories, General Public Hospital, St. John, or from any one of the seventeen serum depots scattered throughout the province. It is much to be desired that physicians generally will make use of this most valuable procedure for the protection of their patients. It can be had for the asking. It is just as efficient in producing immunity to diphtheria as is typhoid vaccine in preventing typhoid fever.

Upon consulting Table I, it is to be noticed that the item yielding the greatest increase is the Wassermann test. It will be noted that 486 more Wassermann tests were performed this year than last. This is largely made up by work done for the Provincial Hospital and an increase in the work coming from the Venereal Clinics.

Another notable increase is that evidenced in the figures for spinal fluid examinations. A total of 195 spinal fluids were examined chemically, bacteriologically, cytologically and serologically, as against 45 for 1920-21. This is an increase of about 300%. This increased work has been contributed for the most part by the Provincial Hospital. A total of 565 examinations was performed for this institution.

The laboratory has played an important part in preventing a possible epidemic of diphtheria in this institution the past winter. Several cases of diphtheria appeared in this institution, and through systematic culture of patients and attendants it was discovered that one attendant, who had not complained of sore throat, exhibited a culture positive for the bacillus of diphtheria. This attendant was promptly isolated and no more cases appeared. While not himself ill with diphtheria, he was a carrier of the virulent disease germs and was able to infect persons with whom he came into intimate contact.

The spinal fluid and Wassermann tests at this institution have been and continue to be of valuable service to the staff of the Provincial Hospital in uncovering cases of unsuspected syphilitic origin and to hasten and confirm diagnosis in cases of suspected syphilitic origin. On the whole, the laboratory work for this institution is to be considered a valuable and necessary aid in the management of mental disease.

Sputum examinations do not exhibit as great an increase as was to be expected when this item was placed on the free list. A total of 407 examinations was made as against 344 in 1920-21. There ought to be a larger number done. It is possible that the physicians throughout the province are not all aware as yet that sputum examinations are done free of charge, and that specimen outfits may be obtained by application to the laboratory or to any one of the seventeen serum depots.

An innovation in Table I is the examination of beverages for content of alcohol, listed under "Other Foods — Chemical." This work is done for the Chief Liquor Inspector and 37 samples were examined.

Another notable advance in the work of the laboratory is listed under "Blood Examinations — Chemical." Twenty-three (23) of these examinations were made. They consisted chiefly of blood sugar determinations — a most important asset in the proper diagnosis and dietary management of diabetes. A small number of examinations was made for determining the content of uric acid, urea and creatinine in the blood. These examinations are of the greatest importance in gauging the function of the kidneys in Bright's disease, tuberculosis of the kidneys, hypertrophy of the prostate and other affections involving the kidneys.

All this blood chemistry has been made possible by the equipment of a chemical laboratory at the cost of about three thousand (\$3,000) dollars. This equipment has only just recently been installed, and its valuable work will increase in volume as its work becomes more widely known. Already it has proved its value to some valuable citizens of this

province. It has proved itself of great economic assistance to persons requiring this service. For the nominal fees of five dollars (\$5.00) and ten dollars (\$10.00) it has saved such persons travelling expenses, hotel bills and large medical fees to such places as Montreal, Boston and New York. These cities are the nearest that are furnishing this service. It will prove itself a boon to the physicians of this province, for with this aid they shall be able to treat their patients affected with these maladies much more intelligently and shall be able to use the most recent advances in their management.

The equipment of the chemical laboratory is a dream which is almost completely fulfilled,—almost, but not quite. A well-trained chemist is required to man it. It is hoped that the chemical phase of the laboratory work will expand. Without a thoroughly trained chemist this is not possible. The other phases of the work demand the full time of the staff now employed. Miss LeDrew, who has been doing our chemical work, has been called to another field, Sydney, N. S., her home, so at the present time we are without a chemist. The present staff can do the additional work thrown upon them by her departure, up to a certain limit. The blood chemistry can be taken care of. But the intricate chemical analysis of water, poisons and foods, require the services of a trained chemist. This costs money—as much as twenty-five hundred dollars a year. The province of New Brunswick is great enough to have a trained chemist in its employ. It is possible that through expansion of its chemical services in a commercial way, the fees derived from such work may in time be sufficient to make up the difference between Miss LeDrew's salary of one thousand dollars and the twenty-five hundred. It is essential that the province employ a properly qualified chemist, and it is fervently hoped that the Government will see its way clear to employ one.

The item "Blood Examinations—Microscopic," shows a marked increase over the previous year; a total of 388 as against 136. This increase is due largely to the new arrangement completed with the General Public Hospital, whereby all private and semi-private patients are required to have a routine blood and urine examination on admittance. This arrangement was made in order that the hospital may fulfil the standard requirements of the American College of Surgeons. These patients are charged a flat laboratory fee of five dollars (\$5.00) and two dollars and a half (\$2.50) respectively. For these fees the above examinations are made and all others that the attending physician or surgeon may direct. In other words, a private or semi-private patient under this arrangement, has practically unlimited use of the laboratory service. In many instances this means the saving of a considerable sum of money to the patient. It improves the service of the hospital, increases the work of the laboratory and also increases its revenue from this source. Whereas this service yielded about five hundred (\$500) dollars in 1920-21, during the past year it yielded about fifteen hundred (\$1,500) dollars. It is considered a highly satisfactory arrangement to all concerned.

Table II shows the work done for the St. John Sub-District Board of Health under the annual grant from the city to the laboratory. The number of the examinations totals 1,035 or about the same as last year.

Table III shows the Milk and Water examinations done, exclusive of those performed for the St. John Sub-District Board of Health. The milk examinations were made for the General Public Hospital, and the water examinations came from all over the province.

Table IV presents the distribution of vaccine virus, the various sera such as diphtheria tetanus, anti-meningitis, triple typhoid vaccine and toxin-antitoxin mixture for active immunization against diphtheria. It will be noted that 11,436 capillaries of vaccine virus were distributed throughout the province; 10,008 going to the various sub-district Boards of Health and the balance to the serum depots. This represents a smaller distribution of virus than for the year 1920-21. This is accounted for by the fact of reduced school vaccination due to the transition from the old system of school inspection to the new. No doubt, in the ensuing year, vaccination against smallpox will increase, due to the more systematic school inspection. Charlotte county used most vaccine, this being due in large measure to an outbreak of smallpox in the county and consequent general vaccination.

Diphtheria antitoxin to a total of 2,581,000 units, tetanus antitoxin to a total of 268,000 units were distributed. The great bulk of this was distributed through the serum depots. Triple typhoid vaccine sufficient for 642 persons, and toxin-antitoxin mixture sufficient for 97 persons were distributed. More of these two substances should be used throughout the province. It would mean less typhoid and diphtheria. Every means possible should be used to encourage the people of this province to be immunized against typhoid and diphtheria.

Anti-meningitis serum to a total of 460 c.c. was distributed chiefly to the serum depots.

Much of the tetanus antitoxin and anti-meningitis serum is returned to the laboratory, outdated. This of course is a dead loss, as the Connaught Laboratories, the producers of these materials, will not exchange these for fresh supplies. However, the expense incurred is not great and it is well worth while to be always prepared to meet the emergency of tetanus and epidemic meningitis by the immediate use of these two sera respectively.

Table V presents the total cash receipts and expenses for the year. The total cash receipts exceed that of the year 1920-21 by \$1,629.30. This exclusive of laboratories portion of the Federal grant for venereal disease work. Including this, our receipts would run well beyond \$10,000. The laboratory performed 361 Wassermann tests for the Venereal Diseases Clinics. At the usual fee rate of five dollars, this would total eighteen hundred (\$1,800) dollars. The expenditures this year include about \$3,000 spent for the equipment of the chemical laboratory. It is to be expected that with the coming years this phase of the work will be able to meet its own expense.

Respectfully submitted,

H. L. ABRAMSON,
Director.

TABLE I.
BUREAU OF LABORATORIES.
REPORT OF BACTERIOLOGICAL AND CHEMICAL EXAMINATIONS.
YEAR 1921-22.

EXAMINATIONS	General (Laboratory)	HOSPITALS			V. D. Clinics	TOTAL			
		General Public	St. John County	Provincial		1921-22	1920-21	1919-20	1918-19
Throat Culture.....	596	1,115	1	52	.....	1,764	4,083	1,893	264
Urinalysis.....	598	638	1	98	1	1,336	1,128	682	573
Widal.....	336	209	3	1	.....	549	545	347	165
Sputum.....	324	63	.....	20	.....	407	344	283	211
Gonococcus Smears....	196	190	1	.....	39	426	445	351	175
Tissue Sections.....	111	58	.....	.....	.....	169	194	136	44
Gross Pathology.....	3	204	.....	.....	.....	207	168	3	.....
Wassermann Tests.....	478	311	63	276	361	1,489	1,003	1,133	469
Treponema Pallida....	7	4	.....	.....	1	12	11	20	12
Autogenous Vaccines...	25	7	1	.....	.....	33	65	48	60
Bacteriological Examina-									
tions.....	29	122	2	.....	.....	153	288	86	25
Feces.....	22	22	.....	.....	.....	44	66	63	40
Spinal Fluids.....	21	55	.....	118	1	195	45	29	25
Stomach Contents.....	2	7	.....	.....	.....	9	23	8	12
Diphtheria Virulence									
Test.....	.....	.....	.....	.....	.....	.....	4	.....	.....
Complement Fixation									
for Tuberculosis....	.....	.....	6	.....	.....	6	123	12	.....
Milk Examination:									
For Fat.....	549	94	.....	.....	.....	643	616	566	.....
Bacteriological....	401	90	.....	.....	.....	491	383	326	11
Chemical.....	49	.....	.....	.....	.....	49	.....	.....	.....
Other Foods:									
Chemical.....	37	.....	.....	.....	.....	37	.....	.....	.....
Blood Examinations:									
Microscopic.....	65	323	.....	.....	.....	388	136	98	49
Chemical.....	7	16	.....	.....	.....	23	.....	.....	.....
Water Analysis:									
Bacteriological....	126	.....	.....	.....	.....	126	144	168	65
Chemical.....	2	.....	.....	.....	.....	2	.....	.....	.....
Total.....	3,984	3,528	78	565	403	8,558	9,814	6,252	2,200

TABLE II.

DEPARTMENT OF HEALTH — BUREAU OF LABORATORIES.

MILK AND WATER EXAMINATIONS — GENERAL.

YEAR ENDING OCTOBER 31, 1922.

MONTHS	MILK				WATER		Total
	Fat Determination		Bacterio- logical	Chemi- cal	Bacterio- logical	Chemi- cal	
	Milk	Cream					
November.....	9	.....	5	.....	8	.....	22
December.....	5	.....	8	.....	3	.....	16
January.....	6	.....	6	.....	2	.....	14
February.....	10	.....	14	.....	7	.....	31
March.....	10	.....	6	.....	7	.....	23
April.....	14	1	15	.....	9	.....	39
May.....	6	.....	6	1	.....	.....	13
June.....	10	.....	7	.....	9	.....	26
July.....	8	.....	6	.....	6	.....	20
August.....	9	.....	9	.....	1	1	20
September.....	8	.....	8	.....	5	.....	21
October.....	8	.....	8	.....	14	1	31
Totals.....	103	1	98	1	71	2	276

TABLE III.

DEPARTMENT OF HEALTH — BUREAU OF LABORATORIES.
MILK AND WATER EXAMINATIONS — ST. JOHN SUB-DISTRICT BOARD OF
HEALTH.

(UNDER ANNUAL GRANT).

YEAR ENDING OCTOBER 31, 1922.

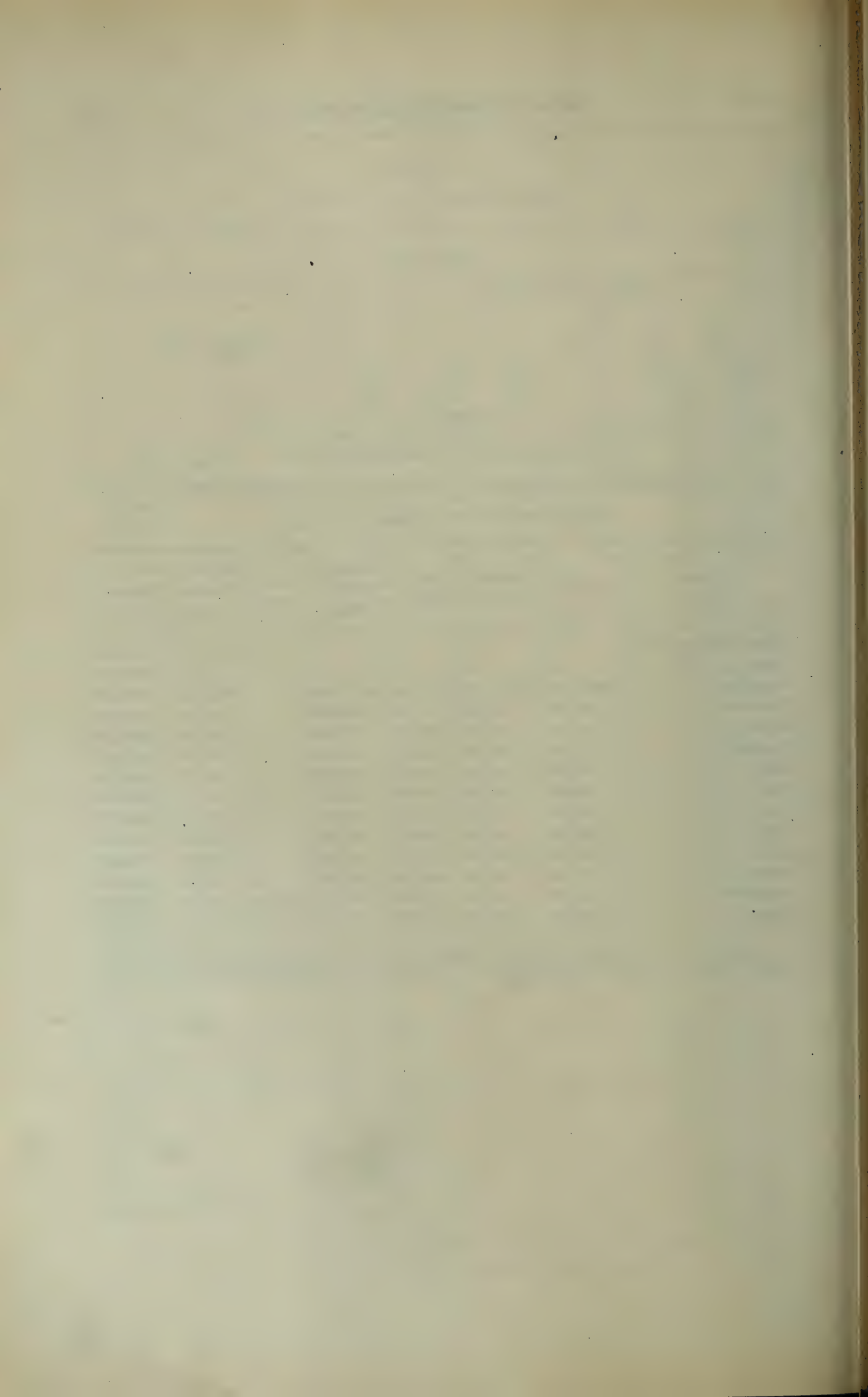
MONTHS	MILK				WATER		Total
	Fat Determination		Bacterio- logical	Chemi- cal	Bacterio- logical	Chemi- cal	
	Milk	Cream					
November.....	12	.....	4	.....	3	.....	19
December.....	36	.....	35	.....	4	.....	75
January.....	48	.....	40	.....	5	.....	93
February.....	48	.....	39	.....	3	.....	90
March.....	40	.....	42	1	6	.....	89
April.....	61	.....	2	.....	3	.....	66
May.....	48	.....	26	.....	5	.....	79
June.....	48	.....	51	.....	6	.....	105
July.....	48	.....	44	.....	6	.....	98
August.....	55	.....	42	.....	5	.....	102
September.....	31	.....	24	15	4	.....	74
October.....	64	.....	44	32	5	.....	145
Totals.....	539	.....	393	48	55	.....	1,035

TABLE IV.
BUREAU OF LABORATORIES.
ANNUAL REPORT OF DISTRIBUTION OF SERA, ANTITOXIN, VACCINE.
YEAR 1921-22.

DISTRIBUTED TO	No. CAPILLARIES OR UNITS					
	Smallpox Vaccine	Diphtheria Antitoxin	Tetanus Antitoxin	Typhoid Vaccine	Anti-Meningitis Serum	Toxin Antitoxin
	Caps.	M	M	Vials	c. c.	Vials
Serum Depots:						
Chatham.....	60	200	10	75	20	4
Campbellton.....	195	108	1,150	3	40	1
Moncton.....	10	32	43	15	.....	1
Bathurst.....	335	535	.....	180	.....	.....
Fredericton.....	378	460	28	15	60	2
Woodstock.....	34	60	30	.....	.....	.....
St. Stephen.....	295	141	.....	.....	.....	.....
Grand Falls.....	.....	.....	.....	.....	.....	.....
Castalia, Grand Manan.....	.....	.....	.....	.....	.....	.....
Edmundston.....	17	50	26	.....	60	.....
Albert.....	.....	.....	.....	.....	.....	.....
Sussex.....	64	225	.....	.....	40	1
Chipman.....	10	30	13	3	40	.....
Gagetown.....	.....	.....	.....	3	.....	.....
St. John.....	.....	.....	.....	.....	.....	.....
North End, St. John.....	10	86	.....	.....	.....	.....
West End, St. John.....	.....	95	.....	.....	.....	.....
Sub-District Boards:						
Albert.....	.....	.....	.....	.....	.....	.....
Carleton.....	500	.....	.....	.....	.....	.....
Charlotte.....	2,880	.....	.....	.....	.....	.....
Fredericton.....	.....	.....	.....	.....	.....	.....
Gloucester.....	.....	.....	.....	.....	.....	.....
Kent.....	.....	75	.....	45	.....	.....
Kings.....	100	.....	.....	.....	.....	.....
Madawaska.....	625	30	.....	.....	.....	.....
Northumberland.....	80	.....	.....	.....	.....	.....
Queens.....	60	14	1,150	45	120	.....
Restigouche.....	.....	.....	.....	.....	.....	.....
St. John (City and County).....	845	14	.....	126	.....	.....
Sunbury.....	190	.....	.....	.....	.....	.....
Victoria.....	175	.....	.....	.....	.....	.....
Westmorland.....	1,350	.....	.....	.....	.....	.....
York.....	940	.....	.....	.....	.....	.....
D. M. Health Officers.....	2,030	7	.....	15	.....	.....
Miscellaneous.....	253	419	95	108	80	88
Total.....	11,436	2,581	2,545	633	460	97

TABLE V.
DEPARTMENT OF HEALTH, N. B.
STATEMENT OF RECEIPTS — BUREAU OF LABORATORIES.
YEAR ENDING OCTOBER 31, 1922.

MONTHS	Serology	Bacteri- ology	Path- ology	Clinical Path- ology	Chem- istry	Serum, Vaccine Etc.	Totals
Balance Brought For- ward.....							\$77 00
November.....	\$291 00	\$212 00	\$178 00	\$177 00		\$32 62	890 62
December.....	389 00	66 00	10 00	106 00		43 99	614 99
January.....	161 00	39 00	20 00	62 00		16 90	298 90
February.....	177 00	1,114 00	31 00	106 00		60 10	1,488 10
March.....	100 00	22 00	15 00	136 00		26 25	299 25
April.....	158 00	54 00	26 00	258 00			496 00
May.....	460 00	133 00	75 00	209 50		44 25	921 75
June.....	280 00	34 00	225 00	221 00		34 05	794 05
July.....	169 00	101 00	15 00	163 00		344 90	792 90
August.....	138 00	200 00	160 00	423 50		62 99	984 49
September.....	165 00	90 00	15 00	256 00	\$64 00	30 60	620 60
October.....	245 00	238 00	205 00	379 50	20 00	121 58	1,209 08
Totals.....	\$2,733 00	\$2,303 00	\$975 00	\$2,497 50	\$84 00	\$818 23	\$9,487 73



APPENDIX II.

ANNUAL REPORTS OF
DISTRICT MEDICAL HEALTH OFFICERS.

EASTERN DISTRICT — DR. F. J. DESMOND.

WESTERN DISTRICT — DR. J. A. WADE.

SOUTHERN DISTRICT — DR. WM. WARWICK.

ALSO

REPORT OF
DIRECTOR OF PUBLIC HEALTH NURSING SERVICE.

REPORT OF
DIRECTOR OF VENEREAL DISEASES CLINICS.

ANNUAL REPORT OF DISTRICT MEDICAL HEALTH OFFICER, EASTERN DISTRICT.

YEAR ENDING OCTOBER 31, 1922.

TO GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

F. J. DESMOND, M.D.,
District Medical Health Officer.

Health conditions in the Eastern District show very favorably during the past year. I have attended all the regular and special meetings of the different county sub-district Boards and visited all sections where any reports of epidemics were received or insanitary conditions reported. No severe epidemics of any notifiable diseases have occurred, and detailed reports from each of the sub-district Boards are to be found under separate headings from each county; as also my reports from time to time to the Department of Health.

Smallpox.—Fifteen cases were reported from Westmorland sub-district during the early spring months. I visited the district. Strict quarantine and vaccination were enforced, and the disease was soon stamped out. Two cases reported from Kent sub-district. I went there and had the proper precautions taken and no further case developed.

Typhoid Fever.—During the autumn months a few cases were reported from each of the sub-district Boards. In Kent sub-district at Kelly's Beach this disease had been for some three weeks before notification was received. On going there, I found eight cases in one family; sanitary conditions were of the worst and the house and premises were such that I had to call upon the Commissioners of the Poor to make provision for housing and nursing these people. The Department of Health supplied nurses and, with the Red Cross and other charitable assistance, a temporary hospital was soon provided. I visited the place several times. I found an amount was due to this family from the Workmen's Compensation Board. I took the matter up and notified the proper authorities and through the Hon. Minister and the Department had the Board give over a sum sufficient to build a house and provide food for the winter for these people. The old house was in such an insanitary condition that it had to be destroyed.

Scarlet Fever.—A few cases of this disease of a mild nature were reported from each county. I had to visit Dorchester, where I found six cases that had not been reported, and had quarantine enforced, and had a nurse appointed for the schools.

Diphtheria.—Cases reported from each sub-district, a mild epidemic breaking out near Jacquet River, three deaths occurring, due to not having a doctor give antitoxin in time. I visited the district twice and had a nurse appointed by the sub-district Board, who visited any suspicious house and if sore throat was found we had a doctor sent to them. In this way the trouble was soon under control.

Venereal Diseases.—The clinics are doing good work and are reporting regularly; but, I am sorry to say that the medical practitioners fail to report as they should. I know that in some of the Health districts it is quite a hardship for patients to get to the clinics, but we are doing everything possible to have them treated.

Water Supply.—Water supplies have been tested wherever thought suspicious, and closed off when report was bad.

In the City of Moncton it has been found advisable to have a committee of the sub-district Board composed of residents of Moncton, meet with me once a month and take up matters of health for the city and report to the full Board at the regular meeting. This plan is giving satisfaction.

I might mention that Moncton has now a Food Inspector who is paid by that city and acting under the sub-district Board.

My sub-district Boards have on all occasions, especially through their secretaries, given great assistance, and I find that as the sanitary inspectors become more accustomed to their duties better results are obtained.

I wish to thank the Chief Medical Officer for the kind and valuable assistance on all occasions when appealed to.

During the year, I have had to travel over eight thousand miles in giving the necessary attention to this very large district.

I find, that as people see the good results from the Public Health Act, they are becoming more willing to co-operate in carrying out the provisions of the same.

Respectfully submitted,

F. J. DESMOND,
District Medical Health Officer.

ANNUAL REPORT OF DISTRICT MEDICAL HEALTH OFFICER,
WESTERN DISTRICT.

YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for year 1921-22.

J. A. WADE,
District Medical Health Officer.

In making my annual report for the year 1921-22, I am pleased to state that we have had no epidemics of contagious diseases. In the early part of the year, viz., November and December, 1921, in order to safeguard the Towns of St. Stephen and Milltown, where some cases of smallpox occurred, compulsory vaccination was ordered and it was carried out very successfully by the local doctors, the expense being paid by the sub-district Board.

In the sub-district of Madawaska we still have to deal with smallpox, largely because of its location between Maine and Quebec, cases originating in these places sometimes coming in to Madawaska without any warning to us and hence the spread of the disease. But I am glad to say that we have not had as many cases this year as last, largely as a result of greater precautions being taken against the disease. During the year I have vaccinated in this sub-district, 700, and in Charlotte sub-district, three hundred (300).

Respecting other notifiable diseases throughout my district, they have been comparatively few in number — probably the greater number being mild cases of scarlet fever. The percentage of typhoid and diphtheria has been small, with few deaths. It is impossible, in some cases, to trace the origin of these diseases.

In diphtheria cases I have insisted upon the use of antitoxin and also toxin-antitoxin, which has resulted, with other precautions taken, in the prevention of the spread of these diseases.

I have made sixty-four (64) trips throughout my district to attend to the various duties of my office. Have attended the regular and special meetings of the sub-district Boards and also all meetings of the Bureau of Health. In regard to the latter, I realize fully the benefit derived therefrom and the stimulus one gets to try and do better work.

I have endeavored, with the help of my Boards, secretaries and staffs, to carry on the work to the best of my ability. In some cases difficult situations arose and I have always been ably assisted out of these difficulties by the Chief Medical Officer who is always ready and willing to give the helping hand. The work as a whole has been carried out fairly satisfactorily. The majority of our officials are doing good work. In some cases in the outlying districts, the sanitary inspectors do not seem to grasp the importance of their work and neglect to follow the regulations pertaining to their office, and, therefore, I think it well during the ensuing year to have the sanitary inspectors of the different sub-districts attend one of the regular Board meetings of their respective sub-district, providing the Board will grant the necessary money. The Chief Medical Officer has kindly offered to attend these meetings and give instructions concerning the Act and regulations thereof.

I have received seventy-four (74) reports of venereal diseases cases during this year as against thirty-three last year.

May say, in conclusion, that I have done considerable work throughout my Health District investigating notifiable diseases in the schools, especially in rural districts.

Respectfully submitted,

J. A. WADE,
District Medical Health Officer.

ANNUAL REPORT OF DISTRICT MEDICAL HEALTH OFFICER,
SOUTHERN DISTRICT.

YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

WM. WARWICK,
District Medical Health Officer.

During the period under review there has been a very measureable decrease in the number of cases of notifiable diseases in this district. As a general rule, in the rural districts, if cases have been notified at all early, there has been little difficulty in confining these diseases to the families first exposed. In such instances, prompt isolation with, when possible, immunization of those exposed, has been productive of good results in limiting the number of cases. Particularly in diphtheria and typhoid the free use of antitoxin and vaccine have been stressed. Typhoid has been much less prevalent than in the previous year and in only one instance (Havelock), where there were nine cases, was it possible to find a common source of infection for the majority of the cases, in this case a polluted well. In all cases of typhoid an effort has been made to find the source of infection and in a surprisingly large number of cases the infection was apparently contracted while visiting or travelling.

On the whole, I think, both physicians and the people are beginning to look upon the co-operation of the officials of the Health Department with more favor and welcome such help. This is further shown by the readiness with which they seek aid in the control of those non-notifiable diseases, such as itch, pink-eye and contagious impetigo, both in schools and communities.

While my district has been entirely free from smallpox, I was called upon to assist in December last with an outbreak of this disease in a closely built-up village in an adjoining district. There were eight cases when the disease was discovered and large numbers had been recently exposed, but with vaccination made compulsory, and the people heartily co-operating, no further cases developed. This is one of the most striking instances of how easily this disease can be controlled by wholesale vaccination.

Owing to the failure of three of the Municipal Councils in my district to vote the money asked for carrying on the work of the sub-district Boards, it has at times been found difficult to get some of the minor officials to show much enthusiasm in carrying out their routine work; but in spite of the fact that their salaries were much in arrears they have responded promptly in attending to cases of notifiable diseases even when this necessitated travelling considerable distances.

In meeting the various sub-deputy registrars, I have been impressed with the interest shown by them in their work and the efforts many of them make in getting complete vital statistics returns for their respective parishes.

A great deal of time and effort has been given to the control of the milk supply of the City of St. John and, as a result, I am more firmly convinced than ever that pasteurization of all milk supplies to cities and towns is a necessity and would do much toward lowering our Infant Mortality rates.

Considerable attention has been given to remedying insanitary conditions, such as school privies, public and private water supplies and drainage in various parts of my district, but unfortunately, the large field one has to cover and the time taken in travelling is so considerable that it is impossible to carry on any comprehensive programme in investigating these problems in any large degree.

A course of lectures was given to the pupil nurses at the General Public Hospital in St. John.

Follow-up work in connection with venereal cases attending the clinics has resulted in getting many cases to return for examination or completion of treatment.

As a coroner, I have been called upon a number of times in cases of death where no physician has been in attendance.

The multitudinous calls which are made upon a Medical Health Officer, while taking up a considerable amount of time and effort, lead one to believe that there is a greater tendency on the part of the public to look to the Health Department for assistance in an ever increasing number of ways.

The assistance of yourself, sir, and the co-operation of the Departmental and Boards' officials have been greatly appreciated.

Respectfully submitted,

WM. WARWICK,
District Medical Health Officer.

ANNUAL REPORT OF DIRECTOR OF PUBLIC HEALTH
NURSING SERVICE.

YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

HARRIET T. MEIKLEJOHN, R.N., R.R.C.,
Director.

Since November 1, 1921, though only twelve months have passed, much seems to have taken place and I hope the ground work of a future Public Health Nursing Service laid.

In November, I attended, as delegate from the New Brunswick Department of Health, the convention of the American Child Hygiene Association held at New Haven, also the Health Institute of New York and the American Public Health Association, held in New York City. From each of these I gained much fresh information and inspiration and was enabled to get a splendid insight into the working of several of the new and important health organizations to the south of us.

With the exception of the northeastern portion of New Brunswick, I have travelled over most of the province during the year, visiting all of the larger towns and many of the surrounding rural areas several times. From December to June I gave fifty-four talks or lectures on various aspects of Public Health,—many of these in small rural communities and to small gatherings; the combined audiences, however, have aggregated somewhat over six thousand people. Wherever we have had a Public Health Nurse I have interviewed committees and held many small meetings, endeavoring to stimulate Public Health interest among the various local organizations, to interest them in the work of the Public Health Nurse and in the future of Public Health work in New Brunswick. I would like to say that on every occasion I have been wonderfully well received. I have always been accorded the utmost courtesy and an attentive and interested audience, and the people at large have shown a surprising interest in Public Health matters.

Of the six centres to which Public Health Nurses (financed through the generosity of the Provincial Red Cross) were sent to give Public Health Nursing demonstrations, four have been successfully established—the Towns of Campbellton, Chatham, Minto and St. Stephen now each support a Public Health Nurse entirely by their own effort.

The Riley Brook area (Victoria county) is making every effort to raise sufficient funds to support a Public Health Nurse, following the valuable demonstration given them this year. Though Buctouche (in Kent county) was not successful in raising funds, I feel that this is only temporary and that before long the work done in that area will also give permanent results.

A district nurse was given to the village of St. Martins for three months during the summer, and in the early fall Public Health Nurses were sent to Bathurst and McAdam Junction, each of which areas will, I expect, shortly support their own nurse. All of these centres mentioned are doing excellent work. Free dental work for the poor school children, free tonsil and adenoid clinics, doctors and hospitals co-operating and the doctors giving of their time to the Well Baby Clinics.

One area proudly reports that not one single infant death has occurred during the summer of 1922 (Minto).

I would like to bring to your attention the excellent co-operation and enthusiastic backing which all of our nurses have received from their local Red Cross Societies and also from the Women's Institute; the support and interest of these organizations have been most helpful to the work.

In the month of April two weeks of my time were given to assist in the Tuberculosis Campaign in St. John City. This gave me a valuable insight into conditions in St. John City and has helped to develop our present plan.

During the summer months, three of the rural areas of New Brunswick were visited by the Travelling Clinic (again through the financial assistance of the Provincial Red Cross). The clinic operated in Riley Brook, in Minto and in Buctouche, Dr. L. DeV. Chipman performing some one hundred and twenty-eight (128) nose and throat operations upon free cases of rural school children, and Dr. Maloney, dentist, spending some ten weeks in these same three areas doing preventive dental work on several hundred of the poorer school children of from six to ten years of age. It is impossible to estimate the good done by these clinics — all of these areas are keen to have the clinics again next summer and are enthusiastic over Medical School Inspection since they have seen the actual results of follow-up work.

While travelling through the province I have made a survey (at the request of the Minister of Health) of all hospitals and training schools for nurses, and have made an attempt to induce the training school authorities to broaden out through affiliation. So far this has not met with much success, but I hope for better results in the future.

The province is, I think, in the main greatly to be congratulated on the cleanliness and general efficiency of its hospitals, though it would be, in my opinion, greatly to the advantage of the training schools if the Trustees could be persuaded to broaden their schools through affiliation with other Institutions with desirable special training to offer.

The greatest problem of the Public Health Nursing Service has resolved itself into the procuring of the trained Public Health Nurse. After considerable effort three scholarships of \$500.00 each were procured. The first, given by the Women's Institute of St. John City has been awarded to Miss Geraldine Armstrong, R. N., of Chipman, who is now at the University of Toronto taking the course of training and who will return to the province in June, 1923, to carry on Public Health work. The other two scholarships, that of the Provincial Women's Institutes and the Provincial Red Cross have not been awarded, as suitable applicants could not be obtained.

After considerable thought it has been decided that the only possible solution of the Public Health Nursing problem of New Brunswick is the establishment of an efficient and comprehensive Health Centre in the City of St. John, and the training, through this Centre, of New Brunswick graduate nurses who will be interested in the local problem and anxious to aid in the betterment of conditions in their own province. Therefore, in July, 1922, under the direction of the Minister of Health, a campaign was inaugurated to obtain funds to establish a suitable Health Centre in St. John City, and since July 15th, my time has been largely taken up with assisting in the organization of and the preparations for the opening of this Centre.

In a short time we hope that the Centre will meet the needs and requirements of a Public Health course in nursing, and also, in the future, a course for the trained attendant, in order that a body of women living in the rural areas, who have some knowledge of home nursing and who, under *license*, will practice in the rural parts of the province, under the supervision of the trained Public Health Nurse in charge of that area.

I want here to publicly acknowledge the work accomplished by the first six Public Health Nurses sent out into the province: Miss E. Armstrong, R. N., Miss G. Ferris, R. N., Miss Jessie Murray, R. N., Miss E. Aylward, R. N., Miss Marion Maloney, R. N., and Miss Marion Smith, R. N. The measure of this year's success of the Nursing Service has

been largely due to their unswerving loyalty and to their indefatigable labors. From January 1st to November 1st, a total of 8,031 home visits have been made; 3,045 sick bedside visits; 9,255 school children supervised; 515 Health talks given, and 103 Child Welfare Clinics have been held by these six nurses, besides much other work. They have been instrumental in cleaning up many insanitary spots and have, I feel, furthered in a most valuable way the work of the Department of Health. When one remembers that some of these visits have necessitated a thirty mile, and longer, drive, the account of work accomplished is better understood.

Twice during the past year our nurses have been called upon to attend small but severe epidemics of typhoid fever in very rural parts of the province, and they have carried on for weeks nursing their patients under the most trying conditions and poor accommodations, **and** at the same time never losing an opportunity to drive home to the community the Public Health lesson to be learned from the experience.

Our plan is to place as rapidly as possible one Public Health Nurse in every town in New Brunswick, and also one county Public Health Nurse in every county. When we have accomplished this, we will have the beginnings of an efficient Public Health Nursing Service in the province.

I wish also to acknowledge gratefully the co-operation and assistance of the Victorian Order of Nurses. We feel confident that the Vital Statistics of 1922 will show a very much lowered Infantile Mortality for St. John City and Moncton and much of the credit for this must be given to the indefatigable labours of the V. O. N. Also we are indebted to the Nurses of the V. O. N. for school nursing in Moncton, Marysville and Sackville, and much other co-operative work.

Also, I wish to acknowledge the generosity of the I. O. D. E. and Canadian Club of St. Andrews for granting the service of their Nurse for school work in that town.

I am greatly indebted to the Minister of Health, to yourself, and to each of the District Medical Health Officers for their constant and untiring assistance and advice, which, as a stranger in the province, has been invaluable to me.

Respectfully submitted,

H. T. MEIKLEJOHN, R.N.,
Director.

ANNUAL REPORT OF DIRECTOR OF V. D. CONTROL BRANCH.
YEAR ENDING OCTOBER 31, 1922.

TO GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

J. A. McCARTHY,
Director.

I beg to submit herewith, for your information, report of Venereal Diseases Clinics. The system of control as submitted in my report for 1921, is still in operation and this we find satisfactory.

The manner of remuneration of our clinicians has been changed. Instead of the scale of fees begun at the inception of the clinics, now a flat salary for each clinician is being paid. This was arrived at and put into effect as from July 1st, 1922. This salary was based on the amount of work done by the individual clinic during the past year. This has been found more economic to the Department and quite as satisfactory to the clinician.

The strength of the personnel of the service has been increased by one Social Service worker, who acts as secretary to the St. John clinic and performs the necessary follow-up work.

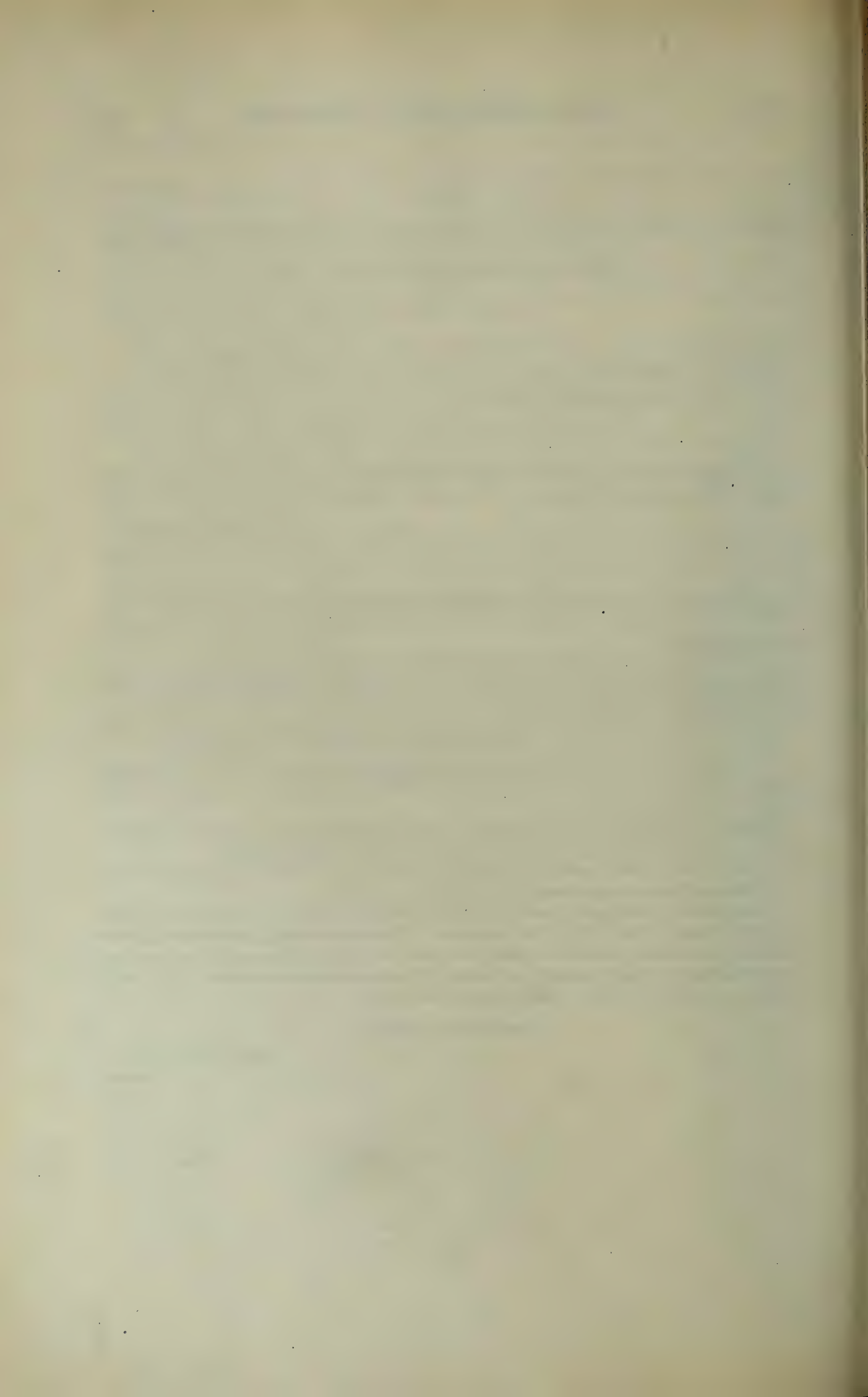
A total of 3,260 treatments have been carried out in the province during the year, and 407 new cases reported to me through the District Medical Health Officers.

The by-laws of the Moncton Hospital still prohibit the admission of venereal cases; this is the only centre where hospitalization is not available.

Most modernly equipped quarters are being prepared at the St. John Health Centre, where the clinic of that city will be carried out. These quarters will give us much greater facilities for treating gonorrhoeal cases, and here treatments will be carried out four days a week instead of two, as is now the custom. These extra days are necessary as a result of the increase in the volume of work which is being done.

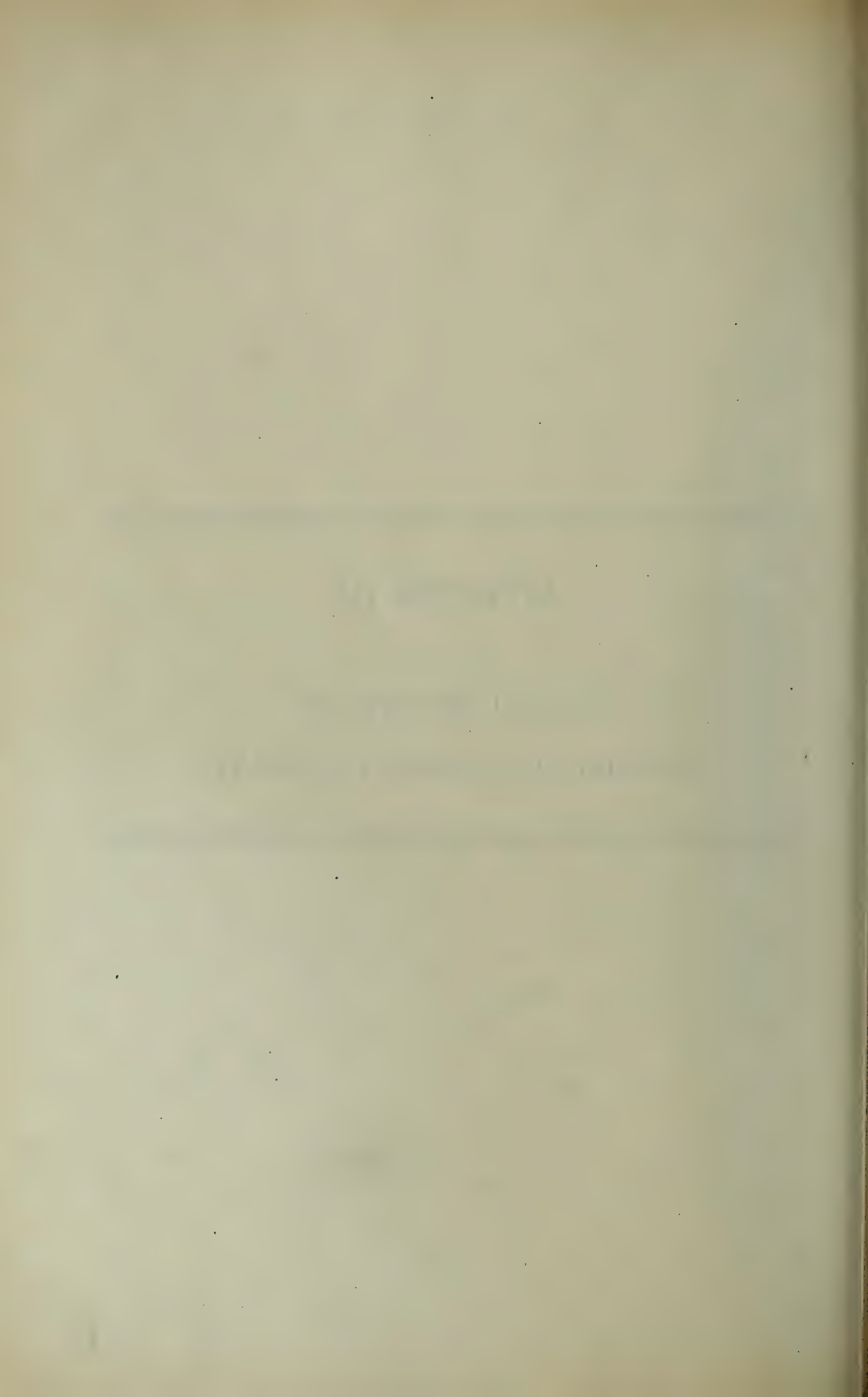
Respectfully submitted,

J. A. McCARTHY,
Director.



APPENDIX III.

ANNUAL REPORTS OF
SUB-DISTRICT BOARDS OF HEALTH.



ANNUAL REPORT SUB-HEALTH DISTRICT OF
ALBERT

YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

WM. WARWICK,
District Medical Health Officer.

H. B. COONAN, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.—Entire Sub-District, Table I. Although the number of cases of these diseases was somewhat larger than last year, the number, seventeen (17), in the whole district was gratifyingly small. No cases of diphtheria were reported, whereas last year there were four cases of this disease with two deaths. There were six (6) cases of scarlet fever this year, as compared with two last year; these six cases were confined to two families and no deaths resulted. The two (2) cases of typhoid fever were traceable, apparently, to brook water used by those affected — a man and his wife. Regarding tuberculosis, four (4) deaths from this disease were reported in the Vital Statistics received. Possibly other cases may be referred to in returns of sub-deputy registrars, which do not pass through the secretary's hands. One (1) death from influenza was also reported through Vital Statistics (form C-3). The other cases of notifiable disease were not of a serious nature, and confined to one school district. The patients, who all were affected with mumps were notified to remain from school and intercourse with others, and the disease was soon stamped out. Disinfection was properly carried out where required.

CLOSURE OF HOUSES (Sec. 32, Public Health Act.) None.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.—Infectious diseases (for year). Jas. S. Prosser, Coverdale:—6 cases scarlet fever, 2 houses placarded, 2 disinfected. F. P. Kierstead, Alma:—2 cases of typhoid investigated. H. B. Coonan, Hopewell:—4 cases mumps investigated.

NUISANCES (quarter ending October 31st).—Jas. D. Prosser, Coverdale:—Number nuisances, 1; notices given, 1; distance travelled, (both services) 79 miles. Robert Copp, Harvey:—Number nuisances, 16; notices given, 15; obeyed, 15; 99 miles travelled. D. B. Livingston, Hillsboro:—Number nuisances, 9; notices given, 9; obeyed, 4; 76 premises inspected. H. B. Coonan, Hopewell:—Number nuisances, 10; notices given, 10; obeyed, 9; 46 premises inspected; distance travelled, 136 miles (all services). F. P. Kierstead, Alma:—No report. One sanitary inspector, who was also sub-deputy registrar was replaced, his work being unsatisfactory both to the department and to the secretary.

GENERAL SANITARY CONDITION OF SUB-DISTRICT.— General improvement in sanitary conditions throughout the district can be reported. One cause of this satisfactory condition undoubtedly was due to the general distribution of "Clean Up" posters early in May which evidently appealed to the people and bore good fruit.

MEDICAL INSPECTION OF SCHOOLS.— Fairly complete reports from the medical inspectors of this sub-district have been received for the past school year.

LEGAL PROCEEDINGS.— None.

GENERAL.— At the session of the Municipal Council in January of this year, Dr. J. T. Lewis was appointed a member of the Board to fill the vacancy occasioned by the resignation of Dr. W. P. Kirby, who has removed from the county. At the July session of the Municipal Council Mrs. R. R. Duffy, of Hillsborough, was appointed a member in place of H. Lester Smith, resigned.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Wm. Warwick, M.D., St. John, Chairman; James T. Ryan (G), Moncton; Dr. J. T. Lewis (M), Hillsborough; Mrs. R. R. Duffy (M), Hillsborough.

Secretary.— H. B. Coonan, Hopewell Cape.

SANITARY INSPECTORS.

AREA	NAME	ADDRESS
Alma.....	Burpee McQuaid.....	Alma.
Coverdale.....	J. S. Prosser.....	R. R. 2, Coverdale.
Elgin.....	R. A. Smith.....	Elgin.
Harvey.....	Robert Copp.....	Upper New Horton.
Hillsborough.....	D. B. Livingston.....	Hillsborough.
Hopewell.....	H. B. Coonan.....	Hopewell Cape.

SUB-DEPUTY REGISTRARS.

Alma.....	Burpee McQuaid.....	Alma.
Coverdale.....	L. J. Leeman.....	Salisbury.
Elgin.....	R. A. Smith.....	Elgin.
Harvey.....	E. E. Lewis.....	Riverside.
Hillsborough.....	D. B. Livingston.....	Hillsborough.
Hopewell.....	H. B. Coonan.....	Hopewell.

MEDICAL SCHOOL INSPECTORS.

Alma, Elgin, Coverdale.....	E. Rommel, M.D.....	Alma.
Hillsboro and part Hopewell.....	B. J. Dash, M.D.....	Hillsborough
Riverside Consolidated.....	J. E. M. Carnwath, M.D.....	Riverside.
Harvey and part Hopewell.....	S. C. Murray, M.D.....	Albert.

FINANCIAL REPORT.— Table No. II.

Table No. I.

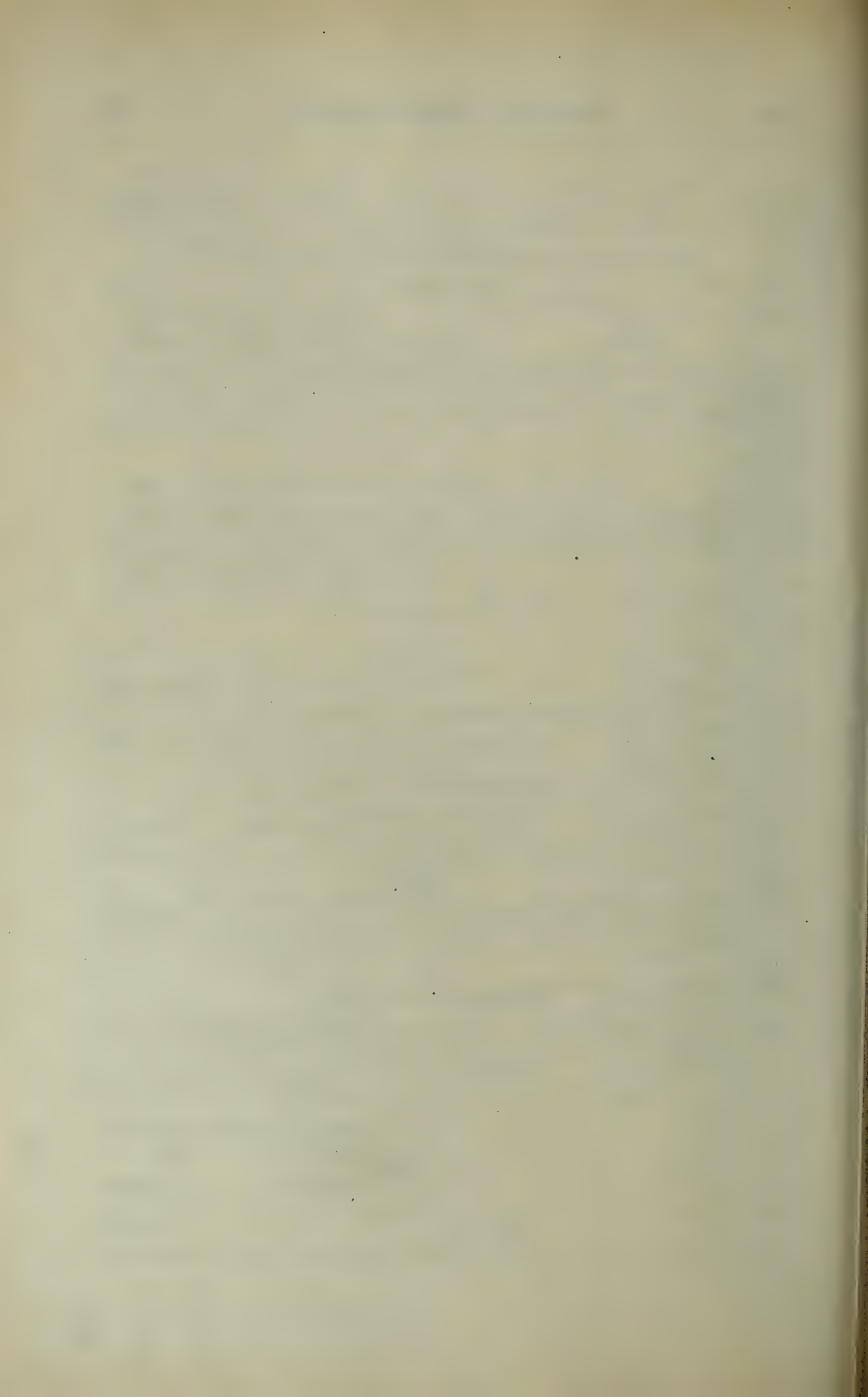
ENTIRE SUB-DISTRICT OF ALBERT.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASES
 YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Rate per 100,000 Population
Diphtheria.....				
Scarlet Fever.....	6			
Typhoid.....	2			
Measles.....				
Smallpox.....				
Tuberculosis.....	4	4	100.0	46.8
Epidemic Influenza.....	1	1	100.0	11.7
Other Notifiable Diseases.....	4			
Total.....	17	5	29.41	58.5

Table No. II

ANNUAL FINANCIAL RETURN.
 SUB-DISTRICT OF ALBERT.
 Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1921		
Nov. 1	Balance on hand from 1920-21, Cash in Bank.	\$236 06	Nov. 1	Deficit (1920-21), Sal- aries, etc.....	\$2,268 74
	Fees.....	2 00	to	Postage and Stationery.	
1922				Incidental Expenses...	31 25
Mar. 4	Provincial Government Loan (S. D. R.).....	150 00		Vaccine, 1921.....	25 00
July 1	From Municipality on Order Supreme Court Judge.....	3,908 26		Analyses.....	
				Supplies (printed forms)	29 49
				Contagious Diseases:	
				Smallpox.....	
				Typhoid.....	
				Diphtheria.....	
				Epidemic Influenza..	
				Other Diseases.....	
			1922		
			Nov. 1	Cash in bank.....	1,941 84
		\$4,296 32			
					\$4,296 32



ANNUAL REPORT SUB-HEALTH DISTRICT OF
CARLETON

YEAR ENDING OCTOBER 31, 1922

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

J. A. WADE,
District Medical Health Officer.

T. C. L. KETCHUM, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.—Entire Sub-District, Table I; Town of Woodstock, Table 1A; Town of Hartland, Table 1B.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).—In September, Doctor Wade with the secretary and sanitary inspector for the Town of Woodstock made an inspection of certain buildings which had been reported as insanitary. With the exception of one, it was found that upon the necessary notification the premises had been placed in sanitary shape. One house on Connell street was pronounced unfit for habitation and the family occupying was ordered to remove within a reasonable time, the owner of the house being duly notified. The house was vacated at the time specified and the owner closed the premises and will not reopen them until thoroughly renovated. No further legal action was necessary. With respect to certain premises on Queen street closed the previous year, they having been cleaned up and refitted to the satisfaction of the inspector, have been reopened.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY. — *Town of Woodstock.*—During the late fall and winter, the cases of notifiable diseases were promptly reported and houses thereupon placarded and other necessary precautionary measures taken. In the early spring the customary notices as to "cleaning up," were posted, and the inspector took pains to see by a house to house examination that the orders were carried out. All public buildings, railway stations, schools, hotels and places of public meetings were inspected, and where not found satisfactory were noted and owners duly instructed to carry out necessary changes, which were done without any legal steps becoming necessary.

Parishes of Richmond and Woodstock.—The inspector for this area filed reports of the work he carried on, showing that he was very careful in the fulfillment of his duties. In the cases of the villages of Benton and Debec he made an inspection of the buildings and looked carefully into the sanitary conditions of the outhouses. In Debec he was much assisted in the formation of a Village Improvement Association, which proved a valuable acquisition to the activities of the community. Slaughterhouses were inspected and a close watch kept on conditions in this regard. During the summer there were six cases of typhoid among the Indians on the reserve below the Town of Woodstock and one death. A well nearby was ordered closed.

Parishes of Wilmot, Wicklow and Simonds.— Inspector reports two cases of diphtheria and one of scarlet fever. In each case, house was placarded and disinfected. No deaths. Three dead animals were ordered buried. Houses in the villages of Centreville and Lakeville visited and outhouses inspected.

Parishes of Kent and Aberdeen.— This is a large district and even the ordinary routine calls for work which is miserably compensated for by the small salary the inspector receives. The inspector reports that he made as complete an inspection of the houses in the villages in his area as was practicable. Four cases of typhoid fever among some very poor people were attended to, a nurse being supplied by the direction of the Board. Toward the last of the year several cases of scarlet fever developed, but were promptly reported and taken care of and no mortality ensued, and they are about stamped out.

Town of Hartland and Parishes of Peel and Brighton.— This is also a large and exacting area to attend to, but the year has been surprisingly free from notifiable diseases. Certain wells which were considered insanitary were visited by the inspector and samples of the water analyzed. The inspector made an examination of buildings in Hartland and saw to the cleaning up of premises where necessary. Only four notifiable diseases were reported from Hartland, two (2) of scarlet fever and two (2) of diphtheria. Prompt measures were taken and the disease did not spread; there were no deaths.

Parish of Northampton.— Beyond the usual routine there was very little to report from this area. There was one case of diphtheria, the usual precautions being taken and the patient making a good recovery. The inspector reports having made a careful survey of the houses in the village of Grafton (the only one in his jurisdiction), and also an investigation into the conditions of the schoolhouses in his area.

Parish of Wakefield.— This is a large parish but contains no towns or villages — entirely rural. The inspector's every day business takes him around the parish a good deal, and he is in a position to watch things carefully throughout most of his area. There were three (3) cases of diphtheria at Bellville, the family being in rather poor circumstances. The usual sanitary precautions were taken, and the inspector reports receiving cordial assistance from the neighbors, and the disease was confined to the one house. There was a distressing case in which some five or six cattle were found dead through poisoning. The inspector was promptly on the job and the animals were buried. The conditions were, upon the whole, unusually healthy.

I should like to say a word for the generally faithful work carried out by the inspectors. When it is taken into consideration how entirely different are the workings in the rural, as compared to the urban districts, a real debt of gratitude is due to the rural inspectors, who in their work have to cover large areas in going from one place to another. That the health of the sub-district has been so excellent in the past year is to a great measure due to the promptness and efficiency with which they have performed their exacting and not too pleasant duties.

GENERAL SANITARY CONDITION OF SUB-DISTRICT.— There has not been a year since the coming in force of the Public Health Act when the conditions have been so satisfactory as the year just closed. While as shown in this report, there have been cases of notifiable diseases they have generally been kept well in hand and the mortality has been surprisingly low (one death).

LEGAL PROCEEDINGS.— None.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— J. A. Wade, M.D., D. M. H. O., Fredericton, Chairman; Dr. M. E. Commins (G), Bath; Harry P. Carvell (M), Lakeville; Arthur McIntosh (M), Glassville; E. W. Mellville (M), Peel.

Secretary.— T. C. L. Ketchum, Woodstock.

SANITARY INSPECTORS.

AREA	NAME	ADDRESS.
Woodstock, t.....	Owen Kelly.....	Woodstock.
Woodstock, p., Richmond.....	J. R. Kirkpatrick.....	Debec.
Wakefield.....	William Kimball.....	Upper Woodstock.
Northampton.....	George McElroy.....	Grafton.
Peel, Brighton.....	H. N. Dickenson.....	Hartland.
Wilmot, Wicklow and Simonds.....	Geo. F. Burpee.....	Centreville.
Aberdeen and Kent.....	John Hood.....	Glassville.

SUB-DEPUTY REGISTRARS.

Aberdeen.....	John Hood.....	Glassville.
Brighton.....	H. N. Dickenson.....	Hartland.
Hartland, t.....	H. N. Dickenson.....	Hartland.
Kent.....	L. A. Noble.....	Bristol.
Northampton.....	Geo. McElroy.....	Grafton.
Peel.....	A. B. Lovely.....	Florenceville.
Richmond.....	J. R. Kirkpatrick.....	Debec.
Simonds.....	Russell Hatfield.....	Middle Simonds.
Wakefield.....	W. P. Kimball.....	Upper Woodstock.
Wicklow.....	Mrs. E. P. Simonds.....	Tracey's Mills.
Wilmot.....	Geo. F. Burpee.....	Centreville.
Woodstock.....	N. K. Bull.....	R. R. 1, Woodstock.
Woodstock, t.....	T. C. L. Ketchum.....	Woodstock.

MEDICAL INSPECTORS.

Aberdeen, Kent.....	M. E. Commins, M.D.....	Bath.
Brighton, Peel, Wakefield.....	L. DeC. MacIntosh, M.D.....	Hartland.
Richmond, Woodstock, Northamp- ton.....	N. P. Grant, M.D.....	Woodstock.
Wilmot, Wicklow, Simonds.....	H. S. Wright, M.D.....	Lakeville.
Woodstock, t.....	J. F. L. Brown, M.D.....	Woodstock.

FINANCIAL REPORT.— Table No. II.

Table No. I.

ENTIRE SUB-DISTRICT OF CARLETON.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	12	.....	.....	.....
Scarlet Fever.....	12	.....	.....	.....
Typhoid.....	14	1	7.1	4.7
Measles.....	1	.....	.....	.....
Smallpox.....	.....	.....	.....	.....
Tuberculosis.....	1	.....	.....	.....
Influenza.....	8	.....	.....	.....
Other Notifiable Diseases.....	.....	.....	.....	.....
Total.....	48	1	2.08	4.7

Table No. 1A.

TOWN OF WOODSTOCK.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	2	.....	.....	.....
Scarlet Fever.....	4	.....	.....	.....
Typhoid.....	.....	.....	.....	.....
Measles.....	1	.....	.....	.....
Smallpox.....	.....	.....	.....	.....
Tuberculosis.....	1	.....	.....	.....
Influenza.....	.....	.....	.....	.....
Other Notifiable Diseases.....	.....	.....	.....	.....
Total.....	8	.....	.....	.....

Table No. 1B.

TOWN OF HARTLAND.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	2	.....	.....	.....
Scarlet Fever.....	2	.....	.....	.....
Typhoid.....	.....	.....	.....	.....
Measles.....	.....	.....	.....	.....
Smallpox.....	.....	.....	.....	.....
Tuberculosis.....	.....	.....	.....	.....
Influenza.....	.....	.....	.....	.....
Other Notifiable Diseases.....	.....	.....	.....	.....
Total.....	4	.....	.....	.....

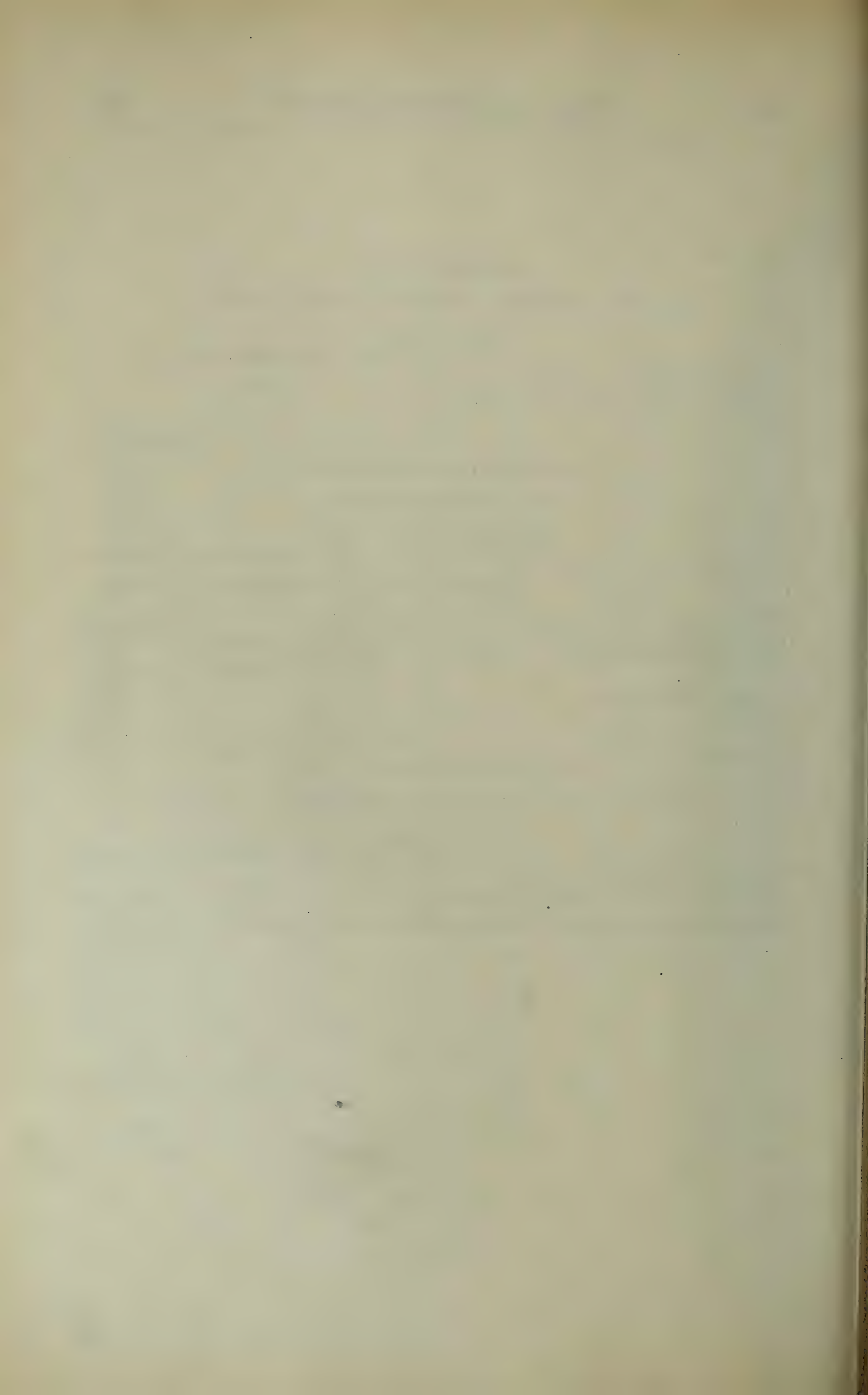
Table No. II.

ANNUAL FINANCIAL RETURN.

SUB-DISTRICT OF CARLETON.

Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921	Balance on hand 1920-21.	\$5 17	1921	Salaries.....	\$2,166 00
Nov. 1	From Municipality	2,714 32	Nov. 1	Postage and Stationery.	14 75
to	Fees.....			Incidental Expenses...	201 80
1922	Other Revenue.....			Vaccine.....	105 85
Oct. 31			to	Analyses	55 00
				Supplies (printed forms)	50 02
				Contagious Diseases: ...	21 36
				Smallpox.....	
				Typhoid.....	
				Diphtheria.....	
			1922	Epidemic Influenza...	
			Oct. 31	Balance on hand in bank	104 71
		\$2,719 49			
					\$2,719 49



ANNUAL REPORT SUB-HEALTH DISTRICT OF
CHARLOTTE.

YEAR 1921-22.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

J. A. WADE,
District Medical Health Officer.

F. L. MALLORY, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, Table I; Town of Milltown, Table IA; Town of St. Andrews, Table IB; Town of St. George, Table IC; Town of St. Stephen, Table ID.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).— There have not been any houses closed under this section during the year, but a small building used as a fish market in the Town of St. Stephen was, on account of being a nuisance, torn down by the owner at the instance of the Mayor of St. Stephen working in conjunction with our sanitary inspector.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— The following is a brief synopsis of the work done by sanitary inspectors, based on personal knowledge and observation, and from monthly reports submitted by the inspectors since May last.

Parish of Campobello.— Attended to nuisance complaints as they arose, also notifiable diseases cases. Communicated with secretary's office at various times regarding health matters.

Parish of Clarendon.— This being an area with few inhabitants, there have not been any unusual occurrences to report, although monthly reports have been submitted.

Parish of Dufferin.— Based on monthly reports received, there were no outstanding occurrences during the year.

Parish of Dumbarton.— Inspected schoolhouses in area. Had less work with notifiable diseases cases than for previous year.

Parish of Grand Manan.— Attended to insanitary conditions caused from fish offal with satisfactory results, and looked after notifiable diseases cases reported.

Parish of Lepreaux.— Submitted monthly reports promptly, which show that matters needing attention have been properly attended to.

Parish of Pennfield.— Reported notifiable diseases cases, and looked after nuisances complaints.

Parish of St. Andrews.— See Town of St. Andrews.

Parish of St. Croix.— No outstanding occurrences during the year

Parish of St. David.— No outstanding occurrences except notifiable diseases cases to look after.

Parish of St. George.— See Town of St. George.

Parish of St. James.— Looked after notifiable diseases cases, especially smallpox, in the months of November and December, 1921.

Parish of St. Patrick.— No outstanding occurrences during the year.

Parish of St. Stephen.— No outstanding features to report on during the year.

Parish of West Isles.— Looked after fish offal nuisances, which he reports satisfactorily attended to.

Town of Milltown.— Submitted monthly reports of work done in connection with nuisances complaints.

Town of St. Andrews.— Investigated and looked after nuisances complaints, and attended to notifiable diseases cases.

Town of St. George.— Belated reports submitted which do not contain any record that nuisances existed. Looked after notifiable diseases cases.

Town of St. Stephen.— No monthly reports submitted, but had considerable work in connection with notifiable diseases cases, as well as nuisances complaints.

MEDICAL INSPECTION OF SCHOOLS.— There has been no medical inspection of schools for the year except a few in the area of the Town and Parish of St. George and Parishes of Pennfield and St. Patrick, which were inspected during November and December, 1921.

LEGAL PROCEEDINGS.— No legal proceedings have been instituted in this sub-district during the year in connection with the enforcement of the Act and regulations.

GENERAL REMARKS.— It will be noted that fifty-eight (58) cases of smallpox existed during the year. In explanation, it might be well to state that these were the "tail end," so to speak, of the epidemic which occurred last year, or in other words, were a continuation of the epidemic which started in the early spring of 1921. Fifty-three (53) cases occurred during November and December, 1921, and the remaining ones in January, February and May of the present year.

There has been an increase over last year of the number of scarlet fever cases, which have been prevalent in nearly every area of our sub-district. The cause has been attributed to the large number of mild cases which were not under medical treatment, and which would otherwise have been reported and placed under quarantine.

Generally speaking, the staff have done faithful work during the year. As our sanitary inspectors are sub-deputy registrars as well (with two exceptions) this is especially so when the extent of the areas covered is compared with the remuneration received. Early in the spring "clean up" notices were sent to all inspectors with instructions to post in conspicuous places, and later, circular letters were sent out enclosing copy of the Chief Medical Officer's letter of April 6th regarding the enforcement of Nuisances regulation 142, with further instructions to see that the regulations were strictly carried out and reports made.

All inquiries from the staff and others have been carefully attended to, and all Board matters carried out as efficiently as possible.

The system adopted by the Central Office regarding the operation of the Act and the regulations has been improved so much since the inception of the service in general that there does not seem to be much room for recommendations from the sub-districts for betterment of the service.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— J. A. Wade, M.D., D. M. H. O., Fredericton, Chairman; W. H. Maxwell (M), St. George; M. O. McCann (M), Rollingdam; F. W. Richardson (M), Deer Island; Dr. W. E. Gray (G), Milltown; Harold C. Purves (C), St. Stephen.

Secretary.— F. L. Mallory, St. Andrews.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Campobello.....	Wellington Parker.....	Welshpool.
Clarendon.....	Arthur Popple.....	Gaspereaux Station.
Dufferin.....	T. H. Williamson.....	Box 211, St. Stephen.
Dumbarton.....	J. Howard Toal.....	Rollingdam.
Grand Manan.....	W. A. Fraser.....	Woodward's Cove.
Lepreaux.....	A. B. Small.....	R. R. 2, Mace's Bay.
Pennfield.....	J. Edwin Connors.....	Black's Harbor.
St. Andrews.....	Jas. McDowell.....	St. Andrews.
St. Croix.....	H. F. Richardson.....	R. R. 1, St. Andrews.
St. David.....	W. O. Garcelon.....	Oak Bay.
St. George.....	F. M. Cawley.....	St. George.
St. James.....	B. L. Moore.....	Moore's Mills.
St. Patrick.....	Jas. Monahan.....	Elmsville.
St. Stephen.....	Marshall Groom.....	Box 422, St. Stephen.
West Isles.....	Fred. McKenney.....	Leonardville.
Milltown, t.....	Robert McIntosh.....	Milltown.
St. Andrews, t.....	Jas. McDowell.....	St. Andrews.
St. George, t.....	F. M. Cawley.....	St. George.
St. Stephen, t.....	John McGibbon.....	St. Stephen.

SUB-DEPUTY REGISTRARS.

Campobello.....	Wellington Parker.....	Welshpool.
Clarendon.....	Arthur Popple.....	Gaspereaux Station.
Dufferin.....	T. H. Williamson.....	Box 211, St. Stephen.
Dumbarton.....	J. Howard Toal.....	Rollingdam.
Grand Manan.....	W. A. Fraser.....	Woodward's Cove.
Lepreaux.....	A. B. Small.....	R. R. 2, Mace's Bay.
Pennfield.....	J. Edwin Connors.....	Black's Harbor.
St. Andrews, t.....	F. L. Mallory.....	St. Andrews.
St. Croix.....	H. F. Richardson.....	R. R. 1, St. Andrews.
St. David.....	W. O. Garcelon.....	Oak Bay.
St. George.....	F. M. Cawley.....	St. George.
St. James.....	B. L. Moore.....	Moore's Mills.
St. Patrick.....	Jas. E. Monahan.....	Elmsville.
St. Stephen.....	Marshall Groom.....	Box 422, St. Stephen.
West Isles.....	Fred. McKenney.....	Leonardville.
Milltown, t.....	C. E. Casey.....	Milltown.
St. Andrews, t.....	F. L. Mallory.....	St. Andrews.
St. George, t.....	F. M. Cawley.....	St. George.
St. Stephen, t.....	John McGibbon.....	St. Stephen.

MEDICAL SCHOOL INSPECTORS. None.

FINANCIAL REPORT.—Table II. This report being for the fiscal year ending October 31, 1922, there appears, as in the case with smallpox expenses, payments made during the latter part of 1921 amounting to approximately \$900.00, and for the present year up to October 31st some \$1,800.00. As most of the salary payments are made before the end of the calendar year, the large amount shown as on hand will be somewhat reduced, but even then we expect to close the year with a surplus after meeting all expenses.

Our estimates for the present year were \$5,000.00, which was an increase over those of the previous year of \$1,500.00, due to increased expenses in connection with the smallpox epidemic of 1921.

ENTIRE SUB-DISTRICT OF CHARLOTTE.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

Table No. I.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	10	1	10.0	4.6
Scarlet Fever.....	52	2	3.8	9.2
Typhoid.....	2			
Measles.....				
Smallpox.....	58			
Tuberculosis.....				
Epidemic Influenza.....	21			
Other Notifiable Diseases.....				
Total.....	143	3	2.1	13.8

TOWN OF MILLTOWN.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

Table No. IA.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....				
Scarlet Fever.....				
Typhoid.....				
Measles.....				
Smallpox.....	5			
Tuberculosis.....				
Epidemic Influenza.....				
Other Notifiable Diseases.....				
Total.....	5			

Table No. 1B.

TOWN OF ST. ANDREWS.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
 YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....				
Scarlet Fever.....	2			
Typhoid.....	1			
Measles.....				
Smallpox.....				
Tuberculosis.....				
Epidemic Influenza.....				
Other Notifiable Diseases.....				
Total.....	3			

Table No. 1C.

TOWN OF ST. GEORGE.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
 YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....				
Scarlet Fever.....	8			
Typhoid.....				
Measles.....				
Smallpox.....				
Tuberculosis.....				
Epidemic Influenza.....				
Other Notifiable Diseases.....				
Total.....	8			

Table No. Id.

TOWN OF ST. STEPHEN.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	4	1	25.0	28.4
Scarlet Fever.....	22			
Typhoid.....				
Measles.....				
Smallpox.....	18			
Tuberculosis.....				
Epidemic Influenza.....				
Other Notifiable Diseases.....				
Total.....	44	1	2.27	28.4

Table No. II.

ANNUAL FINANCIAL RETURN.

SUB-DISTRICT OF CHARLOTTE.

Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921	Balance on hand 1920-21.	\$40 64	1921	Salaries.....	\$2,082 50
Nov. 1	From Municipality.....	6,438 00	Nov. 1	Postage and Stationery..	27 50
to	From Provincial Govern- ment $\frac{1}{3}$ Cost Vaccina- tion St. Stephen and		to	Incidental Expenses....	286 20
1922	Milltown.....	246 00	1922	Contagious Diseases:	
Oct. 31	Other Revenue.....	6 80		Smallpox.....	2,727 31
			1922	Bills Payable November	
				1.....	328 80
			Oct. 31	Balance on hand.....	1,279 13
		\$6,731 44			
					\$6,731 44

Balance on hand as above..... \$1,279 13

Salaries payable close of year 1922..... 883 50

\$395 63

ANNUAL REPORT SUB-HEALTH DISTRICT OF

FREDERICTON

YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the
Hon. the Minister of Health, for the year 1921-22.

J. A. WADE,
District Medical Health Officer.

ANNIE J. WHEELER, Secretary.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Table I.

There has been a marked decrease in notifiable diseases as compared with last year, sixty-two (62) cases having been reported for year 1921-22 in comparison with one hundred and thirty-five (135) for previous year, with three deaths.

CLOSURE OF HOUSES.— Four houses were closed as being unfit for habitation; three of these were repaired.

WORK OF SANITARY INSPECTOR AND STAFF, GENERALLY.— Mr. Fleming, our sanitary inspector, has given very careful attention to all branches of his work, meeting with the approval of the Board in every particular. It is regretted by the Board that on account of the illness of our Plumbing Inspector he has been unable to follow up his work, but the City Engineer, through courtesy, has taken up the work and has attended to it in such a manner that it has been very satisfactory to the Board.

Regular reports have been received from the City Analyst, and the greatest interest has always been taken by him in the water supply and, furthermore, he was of much assistance to us in determining the location and quality of ice supplied to the public — a matter the Board felt required attention. Herewith his report.

FREDERICTON MILK SUPPLY.

Samples taken in months of March, April, July, August and October, 47.

Specific gravity of samples ranged from 1.029 to 1.034.

Per cent. of Fat varied from 2.4 to 7.0, with an average value of 4.0 per cent.

Four samples only fell below the 3.25 per cent standard. Three above 5 per cent.

Samples were received from the Health Officer and for the most part consisted of pint bottles as delivered to the consumer.

Plates were made, as a rule, within a few hours of receipt of samples.

Samples were plated on Standard Agar, 20 c.

The bacterial results are tabulated as follows:

11 Samples.....	10,000 colonies per c. c. or under.
16 "	10,000 to 50,000 cols. per c. c.
6 "	50,000 to 100,000 " " "
8 "	100,000 to 200,000 " " "
4 "	200,000 to 500,000 " " "
2 "	500,000 to 750,000 " " "

The bacterial results so far obtained for the year compare most favorably with those of former years. In the past, counts of one to ten millions per c. c. have been quite frequently obtained, while the samples under consideration show no count as high as a million.

(Signed) H. H. HAGERMAN.

MEDICAL SCHOOL INSPECTION.— The inspector's work for the term ending June 30th, 1922, was very satisfactory to the Board, as will be seen by his report to date, and the public feel that such work as was done by the medical inspector was very advantageous to the children.

GENERAL.— During the year death removed our esteemed and very faithful secretary, who by his courtesy and experience was of great assistance to the Board in their work. The Board deeply regret the loss of his valued counsel.

In consequence of a change in the personnel of the Board, we welcomed Dr. W. H. Irvine and Mr. James Lemont as appointees, who have proved themselves very active in the short time they have been members.

Many matters have been brought to the attention of the Board, personally and by communication, and the officials whose duty it was, have acted promptly, consequently bettering the conditions for the public.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. J. A. Wade, D. M. H. O., Chairman, Fredericton; Peter Farrell (C), F. H. Everett (C), D. J. Shea (C), Dr. W. H. Irvine (G), James M. Lemont (C).

Secretary.— Mrs. A. J. Wheeler.

Sanitary Inspector.— A. C. Fleming.

Plumbing Inspector.— George Edney.

Medical School Inspector.— Dr. W. H. Irvine (term ending June 30, 1922.)

FINANCIAL REPORT.— Table II.

Table No. I.

ENTIRE SUB-DISTRICT OF FREDERICTON.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	33	1	3.0	12.6
Scarlet Fever.....	24	1	4.1	12.6
Typhoid.....	4	1	25.0	12.6
Measles.....				
Smallpox.....				
Tuberculosis.....				
Epidemic Influenza.....				
Other Notifiable Diseases.....	1			
Total.....	62	3	4.84	37.8

Table No. II.
ANNUAL FINANCIAL RETURN.
SUB-DISTRICT OF FREDERICTON.
Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921-1922	Municipal Grant	\$4,000 00	1921 Nov. 1	Salaries	\$3,033 36
				Postage and Stationery..	84 93
			to	Incidental Expenses . . .	406 32
				Vaccine, Medical and	
				Hospital Supplies	13 60
			1922	Contagious Diseases:	
			Oct. 31	Balance	461 79
		\$4,000 00			\$4,000 00



ANNUAL REPORT SUB-HEALTH DISTRICT OF
GLOUCESTER

FOR YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

SIR:

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

F. J. DESMOND,
District Medical Health Officer.

B. C. MULLINS, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, see Table I; Town of Bathurst, Table IA.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).—I beg to report that no houses were closed during the current year.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— Sanitary conditions of the Sub-District of Gloucester are good. We had no smallpox during the year and very few cases of typhoid fever, as reference to detailed report will show.

The district as covered by our sanitary inspectors is almost clear of notifiable diseases, with the exception of two cases of diphtheria at Beresford, one at Bathurst, and two scarlet fever cases at Bathurst, at this date. We have had more diphtheria and scarlet fever this year than in former years. We found that the prompt closing of schoolhouses and having same fumigated as soon as a case of diphtheria or scarlet fever was reported, was a very effective way of controlling and preventing the spread of the disease.

We have twelve sanitary inspectors and one assistant; each parish is divided into districts, inspected and patrolled by our inspectors. Monthly reports are furnished as required by law, and immediate notification in cases of notifiable diseases sent in to this office.

Particular attention was given to the carrying out of regulation 142 (Nuisances). Notices were inserted in the newspapers, and posters were printed and put up at different places in each parish, both French and English, calling the attention of the public to the regulations under the Act regarding nuisances. Our inspectors made house to house inspection, going over the premises carefully, both in town and in the entire sub-district, recording same in books provided for the purpose. In a few cases we met with opposition and failure to comply with regulation 142, but in all cases where we threatened legal action, we found that the offenders came into line and observed the law.

Particular attention was given by the sanitary inspectors to schoolhouses and outhouses attached, as we find from experience that these require special attention.

MEDICAL INSPECTION OF SCHOOLS.— Fairly complete reports of the medical school inspectors have been received and transmitted to the Central Office for the school year 1921-22.

LEGAL PROCEEDINGS.— I am pleased to report that no legal proceedings were necessary to enforce the Act and regulations.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. F. J. Desmond, D. M. H. O., Chairman, Newcastle; Dr. L. D. Densmore (G), Bathurst; J. Andre Doucet (M), Paquetville; P. P. Morais (M), Lower Caraquet.

Secretary.— B. C. Mullins, Bathurst.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Beresford.....	Gilbert Comeau.....	Nigadoo.
Bathurst.....	Artimus Hinton.....	Bathurst.
Caraquet	{ Richard Hachey.....	Upper Caraquet.
	{ Frederic J. Gionet.....	Middle Caraquet.
	{ W. Frigault, Assistant.....	St. Simon.
Inkerman.....	Marjoric M. Godin.....	Upper Pokemouche.
New Bandon.....	Alex. J. Theriault.....	Grand Anse.
New Bandon (Upper).....	R. R. Hickson.....	Stonehaven.
Paquetville.....	Elize Gauvin.....	Paquetville.
St. Isidore	Elie Beaulieu.....	St. Isidore.
Shippegan (Island).....	Elie Chiasson.....	Shippegan Island.
Shippegan (Mainland).....	Alphonse Robichaud.....	Shippegan.
Saumerez.....	Anselm Basque.....	Tracadie.

SUB-DEPUTY REGISTRARS.

Beresford	{ Jerome A. Roy.....	Elm Tree.
	{ Rev. C. J. Poirier, Assistant.....	St. Therese.
	{ Rev. Th. Van de Mortel, Ass't...	Belledune.
Bathurst, t.	{ B. C. Mullins.....	Bathurst.
	{ Rev. John Wheten, Assistant....	Bathurst.
	{ Rev. J. Cooper, Assistant.....	Bathurst.
Bathurst, p.	J. Th. Doucette.....	West Bathurst.
Caraquet	{ Rev. J. LeGarrec.....	Caraquet.
	{ Rev. J. M. Pelletier, Assistant...	Lower Caraquet.
Inkerman.....	{ Rev. D. Robichaud.....	Inkerman.
	{ Rev. F. X. Daigle, Assistant....	Pokemouche.
New Bandon	{ Jos. U. Landry.....	Grand Anse.
	{ Henry Scott, Assistant.....	Stonehaven.
	{ Wm. Boudreau, Assistant.....	Mizonette.
Paquetville.....	Rev. Theo. Hache.....	Paquetville.
St. Isidore.....	Rev. Geo. Bernier.....	St. Isidore.
Saumerez	{ Rev. J. M. Lavasseur.....	Tracadie.
	{ Rev. Jas. G. Robichaud, Asst....	Portage River.
Shippegan	{ Rev. J. L. Chiasson.....	Shippegan.
	{ Rev. Alfred Trudel, Assistant....	Lameque.
	{ Rev. A. A. McKinnon, Assistant..	Miscou Centre.

MEDICAL SCHOOL INSPECTORS.

Bathurst, town and parish, Beresford, Caraquet, Inkerman,

Paquetville	Dr. C. J. Veniot	Bathurst.
New Bandon and Bathurst Mines..	Dr. A. H. McKinnon	Bathurst.
St. Isidore, Saumerez.....	Dr. C. J. Veniot.....	Bathurst.
Shippegan.....	Dr. E. A. Arseneau.....	Bathurst.

FINANCIAL REPORT.— Table No. II.

Table No. I.

ENTIRE SUB-DISTRICT OF GLOUCESTER.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
 YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	35	3	8.5	7.5
Scarlet Fever	13			
Typhoid Fever	20	2	10.0	5.0
Measles				
Smallpox				
Tuberculosis	3	3	100.0	7.5
Epidemic Influenza	2	2	100.0	5.0
Other Notifiable Diseases	2	2	100.0	5.0
Total	75	12	16.0	30.0

Table No. IA.

TOWN OF BATHURST.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASES
 YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	7			
Scarlet Fever	10			
Typhoid	9	2	22.2	56.0
Measles				
Smallpox				
Tuberculosis				
Influenza	2	2	100.0	56.0
Other Notifiable Diseases	2	2	100.0	56.0
Total	30	6	20.0	168.0

Table No. II.

ANNUAL FINANCIAL RETURN.

SUB-DISTRICT OF GLOUCESTER.

Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1921		
Oct. 31	Balance on hand from			Bills payable to Decem-	
to	1920-21.....	\$1,012 64		ber 31, 1921.....	\$866 05
1922	From Municipality....	7,000 00		Salaries.....	3,357 62
Oct. 31	Fees.....		to	Postage and Stationery.	36 55
	One-third Rebate by			Incidental Expenses...	232 25
	Government on Small-			Vaccine.....	24 10
	pox Account.....	624 85		Supplies, Printed Forms,	51 17
				Medical.....	
				Smallpox (balance 1921)	98 00
				Diphtheria.....	44 00
			1922	Other Diseases.....	35 00
			Oct. 31	Balance on hand.....	3,892 75
		\$8,637 49			\$8,637 49

ANNUAL REPORT SUB-HEALTH DISTRICT OF
KENT
YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
DEPARTMENT OF HEALTH.

SIR:

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

F. J. DESMOND,
District Medical Health Officer.

DOMITILDE JOHNSON, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.—For Entire Sub-District, see Table I.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).—None.

GENERAL.—The general sanitary condition of the sub-district has been fairly satisfactory. There were two cases of smallpox in Buctouche, but with the prompt action of the District Medical Health Officer the disease was confined to one family. There were two outbreaks of scarlet fever in different parts of the county but of a mild nature.

In an isolated part of the parish of Carleton, nine cases of typhoid developed in one family. Prompt action was taken by the Department of Health in conjunction with the Board and with the timely assistance of the Red Cross, called on by Dr. Desmond, a temporary hospital was built, nurses obtained, and only one death occurred.

Of the fifteen cases of diphtheria reported, the majority were in the parish of St. Louis at different periods of the year. The sanitary inspector of that district deserves special mention for his willingness and promptness in performing his duties.

It is a regrettable fact that all doctors do not report their cases of notifiable disease, and by their failure in so doing allow contagious diseases to spread, thus causing, besides hardships for the persons concerned, much unnecessary expense to the Board.

COMPOSITION OF BOARD AND STAFF.

Members of Board.—Dr. F. J. Desmond, D. M. H. O., Newcastle, Chairman; A. T. LeBlanc (G), Richibucto; F. X. LeBlanc (G), Buctouche; Cavan Murray (G), Mundleville; Reuben Arseneau (G), Grandigue; Dr. R. G. Girvan (G), Rexton.

Secretary.—Mrs. D. Johnson.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Acadieville.....	Bonaventure Goguen.....	Acadieville.
Carleton.....	Charles Williams.....	Kouchibouguac.
Dundas.....	Amedee M. Gallant.....	Cocagne.
Harcourt.....	Alonzo McIntosh.....	Harcourt.
St. Louis, St. Charles.....	Fidele Vautour.....	St. Louis.
St. Marie.....	Alyre Cormier.....	St. Anthony.
St. Paul.....	John D. Girouard.....	McLean Settlement.
Richibucto.....	Alex. Hains.....	Richibucto.
Weldford.....	Frank B. Oulton.....	Ford's Mills.
Wellington.....	Cyril B. Leger.....	Buctouche.

SUB-DEPUTY REGISTRARS.

Acadieville.....	Rev. C. E. Michaud.....	Acadieville.
Carleton.....	Charles Williams.....	Kouchibouguac.
Dundas.....	{ Rev. F. A. Bourgeois.....	Cocagne.
	{ Rev. D. Allain, Assistant.....	Notre Dame.
	{ Rev. Ph. L. Belliveau, Assistant..	Grandigue.
Harcourt	{ Rev. D. Robichaud.....	Adamsville.
	{ Rev. B. H. Penwarden, Assistant	Harcourt.
Richibucto.....	Mrs. D. Johnson.....	Richibucto.
St. Charles.....	J. M. Daigle.....	St. Charles.
St. Louis.....	Rev. T. Nadeau.....	St. Louis.
St. Marie.....	Rev. Ph. Herbert.....	St. Marie.
St. Paul.....	Rev. L. Cormier.....	St. Paul.
Weldford.....	{ F. B. Oulton.....	Ford's Mills.
Wellington.....	{ Rev. J. J. V. Gaudet.....	St. Anne.
	{ Rev. Mgr. J. Hebert, Assistant...	Buctouche.

MEDICAL SCHOOL INSPECTORS.

None.

FINANCIAL REPORT.—Table II

Table No. I.

ENTIRE SUB-DISTRICT OF KENT.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	15	2	13.3	8.4
Scarlet Fever	4			
Typhoid	20	3	15.0	12.6
Measles				
Smallpox	2			
Tuberculosis	3	3	100.0	12.6
Epidemic Influenza				
Other Notifiable Diseases	1	1	100.0	4.2
Total	45	9	20.0	37.8

Table No. II.

ANNUAL FINANCIAL RETURN.
SUB-DISTRICT OF KENT.
Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1921		
Nov. 1	Balance on hand 1920-21.	\$124 62	Nov. 1	Salaries	\$1,220 00
	Fees	10 00		Postage and Stationery . .	10 55
to	Municipal Grant		to	Incidental Expenses . . .	121 20
	Government Grant (S.			Vaccine	31 40
1922	D. R.)	255 00	1922	Analyses	20 00
Oct. 31	Deficit	1,028 90	Oct. 31	Supplies (printed forms) .	15 37
		\$1,418 52			\$1,418 52

ANNUAL REPORT SUB-HEALTH DISTRICT OF
KINGS
YEAR ENDING OCTOBER 31, 1922.

TO GEO. G. MELVIN, M.D.,
Chief Medical Officer,
DEPARTMENT OF HEALTH.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

WM. WARWICK.
District Medical Health Officer.

A. E. PEARSON, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, see Table I; Town of Sussex, Table IA.

There has been no epidemic during the year, and very few notifiable diseases. As soon as the latter were reported, strict measures were adopted at once, with satisfactory results. Most of the doctors are fairly prompt in reporting such diseases.

Of the fifteen cases of typhoid reported during the year, two were isolated single cases, four occurred in one family wherein three of the members were infected from the first case, which was not recognised as a case of typhoid for some weeks after onset. Nine (9) cases occurred in one village, and a careful investigation was made to ascertain the source of infection. One case probably infected from a visitor, another uncertain, while seven were traceable to use of water from a polluted well or other cases in this particular house. The pollution of the well resulted from a leaky drain and it is quite possible that the primary introduction of the typhoid germs may have occurred through the use of the sanitary conveniences of this house by a carrier. Energetic steps were taken to remedy the insanitary conditions found here and also to have as many persons as possible protected by inoculation against the disease, with the result that the outbreak ended abruptly. Two deaths resulted from typhoid.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).— None.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— The general conditions for the whole sub-health district are good. The people, as a whole, keep their premises fairly sanitary, and most of them willingly listen to advice on such matter and take heed.

The sanitary inspectors have done promptly all the work they were called upon to do. They have promptly placarded all houses in which notifiable diseases existed and afterwards attended to the proper fumigation of said premises. During the spring and early summer they visited all villages, inspecting the sanitary condition of the premises and where necessary ordered nuisances to be abated. They visited all slaughterhouses and milk dealers' premises. They found it necessary to travel many miles in discharge of their duties; some travelled over 100 miles in some months.

The Town of Sussex is the only town in the county. In Sussex the sanitary inspector, during all the warm weather, spent hours every week among the back yards, especially in that part of the town where there is no sewer, and in this way many nuisances were averted or stopped before they became serious.

The knowledge that there are sanitary inspectors, has considerable weight in a community, and instead of doing without any such official, I believe still better results would obtain if each parish had a sanitary inspector. Make each sub-deputy registrar sanitary inspector for his parish, at a small remuneration, making the amount commensurate with the size and population of the parish, and each inspector would then be nearer his work. When it is understood that these sanitary inspectors have received no pay for about two and one-half years, they are to be commended for their faithfulness to their duties.

The District Medical Health Officer, at the request of the sanitary inspector, visited three slaughterhouses in Havelock, and as a result of conditions found there, they were at once closed and the permits cancelled.

MEDICAL SCHOOL INSPECTION.— Up to June 30th, our medical school inspectors did their work. At that time they were dismissed to make way for an whole-time man directly under the department.

LEGAL PROCEEDINGS.— No legal action has been necessary during the year.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. Wm. Warwick, D. M. H. O., Chairman, St. John; Dr. O. R. Peters (G), Rothesay; C. H. Perry (C), Sussex; Fred M. Sproul (M), Hampton; John E. McAuley (M), Lower Millstream; Bliss A. Keith (M), Anagance.

Secretary.— A. E. Pearson, Sussex.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Havelock and Studholm.....	Frank H. Rouse.....	Havelock.
Cardwell, Waterford and Hammond.....	Marshall Stewart.....	Penobsquis.
Sussex, town and parish.....	A. R. Pearson.....	Sussex.
Norton, Springfield and Kars.....	William A. Reynolds.....	Norton.
Hampton, Upham, Kingston and Rothesay.....	G. Myles McCready.....	Hampton Station.
Westfield, Greenwich.....	R. Ford Walton.....	Oak Point.

SUB-DEPUTY REGISTRARS.

Cardwell.....	Marshall Stewart.....	Penobsquis.
Greenwich.....	R. Ford Walton.....	Oak Point.
Hammond.....	W. P. Fowler.....	Hammond Vale.
Havelock.....	F. H. Rouse.....	Havelock.
Kars.....	Geo. Bond.....	Hatfield's Point.
Kingston.....	A. P. Wetmore.....	Clifton.
Norton.....	W. P. Reynolds.....	Norton.
Rothesay.....	W. E. Flewelling.....	Rothesay.
Springfield.....	G. T. Bates.....	Belleisle Station.
Studholm.....	T. J. Davis.....	R. R. 1, Sussex.
Sussex, t.....	A. E. Pearson.....	Sussex.
Sussex, p.....	A. E. Pearson.....	Sussex.
Upham.....	T. Reid.....	Upham.
Waterford.....	J. H. DeForest.....	Waterford.
Westfield.....	Chas. E. Stevens.....	Westfield.

MEDICAL SCHOOL INSPECTORS.

AREA.	NAME.	ADDRESS.
Rothesay Consolidated School, Rothesay and Kingston	Dr. O. R. Peters	Rothesay.
Westfield, Greenwich	Dr. Wm. Jenkins	Gagetown.
Hampton Consolidated, Hampton and Upham	Dr. F. H. Wetmore	Hampton Station.
Kingston Consolidated	Dr. A. T. Leatherbarrow	Hampton Station.
Norton	Dr. J. B. Gilchrist	Norton.
Springfield, Kars	Dr. T. B. Fraser	Hatfield's Point.
Sussex High, Studholm, Sussex, Cardwell, Waterford and Ham- mond	Dr. W. H. White	Sussex.
Havelock	Dr. C. A. King	Petitcodiac.

FINANCIAL REPORT.— Table II. The question of our finances is now being tried in our courts. In the meantime, the amounts due all our officials are in arrears, nevertheless all members of our staff are doing their respective duties.

Table No. I.

ENTIRE SUB-DISTRICT OF KINGS.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	12	1	8.3	4.9
Scarlet Fever	8			
Typhoid	15	2	13.3	9.8
Measles				
Smallpox				
Tuberculosis	1	1	100.0	4.9
Epidemic Influenza				
Other Notifiable Diseases				
Total	36	4	11.1	19.6

Table No. IA.

TOWN OF SUSSEX.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria				
Scarlet Fever				
Typhoid				
Measles				
Smallpox				
Tuberculosis				
Epidemic Influenza				
Other Notifiable Diseases				
Total				

Table No. II.

ANNUAL FINANCIAL RETURN.

SUB-DISTRICT OF KINGS.

Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1921		
Nov. 1	Cash in Bank	\$484 40	and	Salaries	\$957 25
1922	Government Loan (S. D.		1922	Postage and Stationery..	36 07
Mar. 6	R.)	480 00		Incidental Expenses . . .	42 27
	Fees	29 00		<i>Contagious Diseases:</i>	
	Advanced by Secretary..	45 00		Diphtheria	2 10
			Oct. 31	Balance in Bank	71
		\$1,038 40			
					\$1,038 40
Bills Payable November 1, 1922 \$10,125 34					

ANNUAL REPORT OF SUB-HEALTH DISTRICT OF

MADAWASKA

YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
DEPARTMENT OF HEALTH.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

J. A. WADE,
District Medical Health Officer.

THADDEE D. HEBERT, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, see Table I; Town of Edmundston, Table IA.

The schoolhouse at Baker Brook, district number 3, was closed because of measles from the 25th November, 1921, to the 29th of the same month.

Also, schoolhouse at St. Jacques, district number 4, closed for twenty days, and district number 3 school closed twelve days, and district number 1 school closed nine days, because of smallpox.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).— None.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— *Parishes of Clair, St. Anne, Notre Dame de Lourde, St. Leonard and St. Andre* have been without any cases of notifiable diseases during the year and the sanitary conditions are very satisfactory. Placards were posted up in the latter part of May for the cleaning of yards, and instructions were given where necessary as to what should be done to keep the premises in proper sanitary condition. A number of places in different parishes have been greatly improved.

Parish of St. Francis reported a few cases of smallpox in the latter part of December last. Same were well attended to by the inspector and prompt sanitary condition obtained.

Parish of Baker Lake reported only one case of smallpox during the year. General inspection made and conditions found satisfactory.

Parish of St. Hilaire reported a few cases of notifiable diseases. Few nuisances were found by the sanitary inspector while making his general inspection. All were removed, and proper instruction given, where necessary.

Parish of Madawaska included in area of Town of Edmundston and covered in that report.

Parish of St. Jacques has reported as many cases of smallpox as the balance of the sub-district. Although all necessary steps were taken to prevent same from spreading, it is known that men coming from lumber camps in the province of Quebec continued to bring in the disease and made things very bad for the sanitary inspector by hiding themselves, until discovered by inspector or reported by the neighbors. The District Medical Health Officer came at different times to St. Jacques and visited most of the houses affected. Three schoolhouses in this parish were closed for a few days. Dr. A. M. Sormany and the

sanitary inspector of this area, Mr. J. A. Charest, did excellent work. A general vaccination under the expense of the Board, was made by Dr. Sormany and Dr. Wade in one of the schoolhouses. One hundred and forty (140) people were vaccinated in one day, besides those who had previously been vaccinated by Dr. Sormany, numbering over one hundred, during the course of the epidemic. The inspector has submitted an excellent report of every case, which shows that he has attended to the duties of his office in a very satisfactory way. There were over thirty cases of smallpox reported, and one death.

Town of Edmundston.— The inspector has reported a few cases of smallpox and typhoid fever in the town and in the parish of Madawaska, which is included in this area.

Notices were posted in the spring respecting clean-up of yards and premises, and a very careful house-to-house inspection was made by the inspector. A number of notices were forwarded by the secretary and satisfactory results obtained. Many places where nuisances existed under the old Board have been cleaned up and put in good sanitary condition.

I may say that there is a marked improvement in this town due to the untiring efforts of our sanitary inspector, Mr. J. B. Michaud, owing to his prompt manner of attending to nuisances and answering every complaint made. There are yet a few improvements to be made in certain places, but so far, it has been impossible for us to do anything with them on account of the town sewerage system, which has to be laid in different streets. In one case there is a nuisance created by filthy water lying on the land, and although meetings have been called on several occasions of the parties concerned (one or two of which have been attended by the Chief Medical Officer, Dr. Melvin, and the District Medical Health Officer), no final decision has yet been made as to the removal of this nuisance.

St. Basile.— The inspector has reported a few cases of smallpox and one diphtheria, all of which were well looked after. Attended to several nuisance complaints and had same removed promptly.

Parish of Riviere Verte.— Inspector has reported a few cases of smallpox, which were less in number than the previous year; attended to all nuisance complaints.

Town and Parish St. Leonard.— No outstanding occurrences during the year.

MEDICAL INSPECTION OF SCHOOLS.— For the term ending December 31st, 1921, medical inspection was made and reports forwarded to the Chief Medical Officer, with the exception of the parishes of St. Francis, Clair, Baker Lake, St. Andre and St. Leonard, which were made at the close of the term ending June 30th, 1922.

LEGAL PROCEEDINGS.— Many legal notices were served to different parties, but no cases were carried before the Magistrate.

GENERAL.— Mrs. Albertine Cyr was appointed sub-deputy registrar for the area of parish of St. Basile, in place of Leon C. Martin, upon recommendation of the secretary. Also, Mr. C. J. Thibodeau was appointed sub-deputy registrar for the parish of Riviere Verte, which was previously included in the area of St. Basile for vital statistics reports.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. J. A. Wade, D. M. H. O., Fredericton, Chairman; Dr. Pio H. Laporte (G), Edmundston; Fred I. Cyr (G), St. Leonard; J. Wilfrid Verret (M), St. Francis; Pierre Lemieux (M), St. Jacques; Epiphane Lapointe (M), St. Leonard.

Secretary.— T. D. Hebert, Edmundston.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Baker Lake.....	Aimee Martin.....	Baker Lake.
Clair.....	John W. Long.....	Clair.
Edmundston.....	John B. Michaud.....	Edmundston.
Madawaska.....	John B. Michaud.....	Edmundston.
Notre Dame De Lourde.....	Fortunat Cyr.....	St. Anne.
Riviere Verte.....	Octave J. Fournier.....	Green River.
St. Andre.....	Andre P. Levesque.....	St. Andre.
St. Anne.....	Fred F. Cyr.....	St. Anne.
St. Basile.....	Treffle Pelletier.....	St. Basile.
St. Francis.....	Emile Nadeau.....	St. Francis.
St. Hilaire.....	Elias Daigle.....	St. Hilaire.
St. Jacques.....	J. A. Charest.....	St. Jacques.
St. Leonard.....	Alderick Lapointe.....	St. Leonard.

SUB-DEPUTY REGISTRARS.

Baker Lake.....	Rev. M. L. Richard.....	Baker Lake.
Clair.....	Rev. A. Martin.....	Clair.
Edmundston.....	L. R. Belanger.....	Edmundston.
Madawaska.....	L. R. Belanger.....	Edmundston.
Riviere Verte.....	C. J. Thibodeau.....	Green River.
St. Andre.....	Rev. E. Martin.....	St. Andre.
St. Anne.....	Rev. C. J. Cyr.....	St. Anne.
St. Basile.....	Mrs. C. Cyr.....	St. Basile.
St. Francis.....	Rev. J. T. Lambert.....	St. Francis.
St. Hilaire.....	Rev. J. Z. Lambert.....	St. Hilaire.
St. Jacques.....	J. A. Charest.....	St. Jacques.
St. Leonard.....	Rev. A. Comeau.....	St. Leonard.

MEDICAL SCHOOL INSPECTORS.

Parishes St. Hilaire, St. Leonard, St. Andre.....	Dr. Pio H. Laporte.....	Edmundston.
Parishes St. Francis, Clair, Baker Lake.....	Dr. P. C. Laporte.....	Clair.
Parish St. Jacques.....	Dr. A. M. Sormany.....	Edmundston.
Parishes Madawaska, Riviere Verte, St. Anne.....	Dr. E. Simard.....	Edmundston.
Parish St. Basile.....	Dr. E. A. Lagasse.....	St. Basile.

FINANCIAL REPORT.—Table II.

Table No. I.

ENTIRE SUB-DISTRICT OF MADAWASKA.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
 YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	5			
Scarlet Fever	1			
Typhoid	2			
Measles	10			
Smallpox	70	1	1.4	4.9
Tuberculosis				
Epidemic Influenza				
Other Notifiable Diseases	2			
Total	90	1	1.11	4.9

Table No. IA.

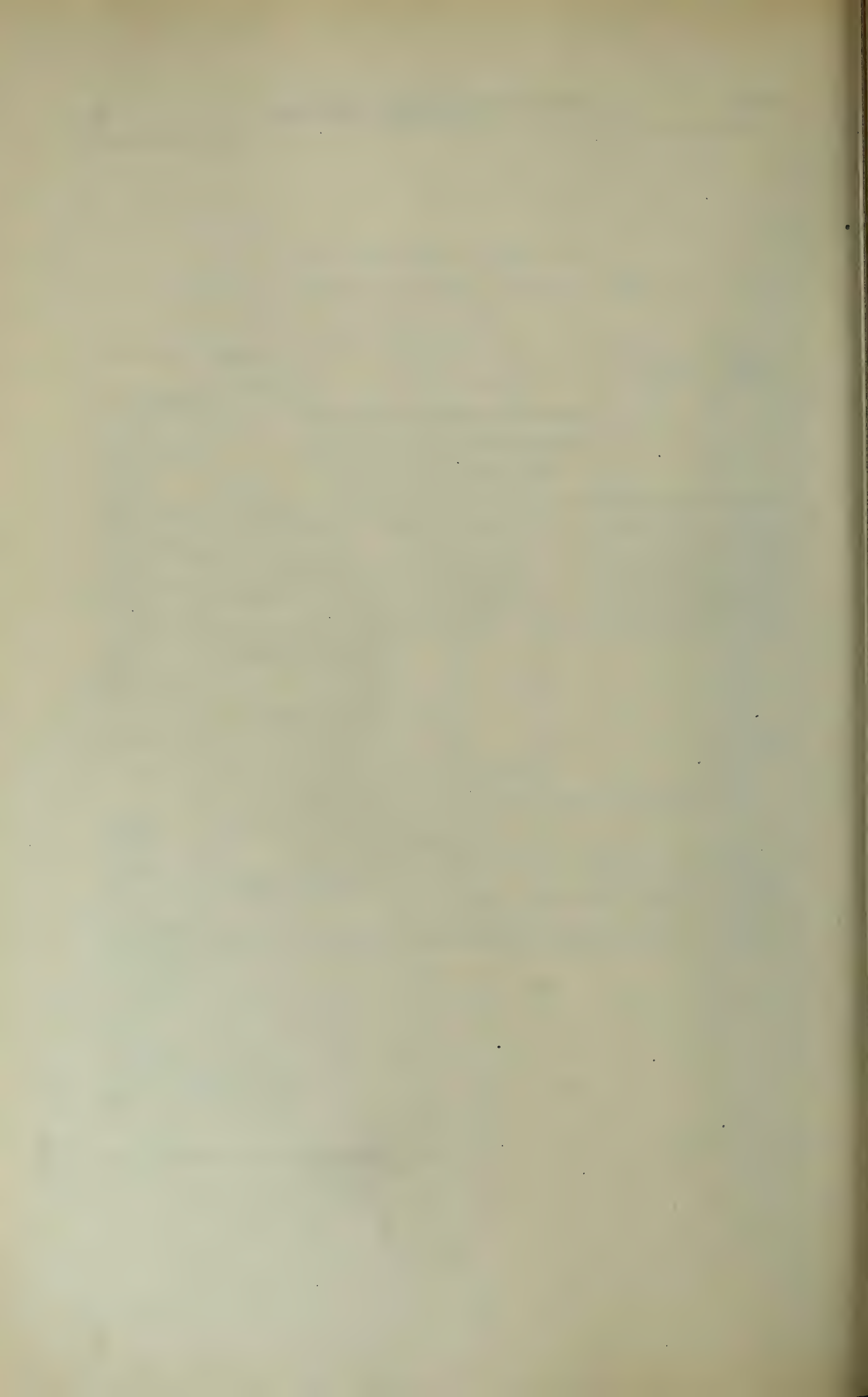
TOWN OF EDMUNDSTON.
 CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
 YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	3			
Scarlet Fever				
Typhoid	2			
Measles				
Smallpox	7			
Tuberculosis				
Epidemic Influenza				
Other Notifiable Diseases	2			
Total	14			

Table No. II.

ANNUAL FINANCIAL RETURN.
SUB-HEALTH DISTRICT OF MADAWASKA.
Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921- 1922	Municipal Grant	\$2,150 00	1921	Deficit 1920-21	\$42 18
	Note Discounted	2,000 00		Cheques not Cashed	55 59
	Note Discounted	800 00	Nov. 1	Salaries	1,549 90
			to	Postage and Stationery	82 17
				Incidental Expenses	499 94
				Vaccine	55 03
				Analyses	12 00
				<i>Contagious Diseases:</i>	
				Smallpox	1,296 44
				Typhoid	
				Diphtheria	
				Influenza	
				Vaccination—Schools	806 00
			1922	Medical Care	746 00
			Oct. 31	Bills Payable	800 68
				To Balance on hand	104 07
		\$6,050 00			\$6,050 00



ANNUAL REPORT OF SUB-HEALTH DISTRICT OF
NORTHUMBERLAND

YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
DEPARTMENT OF HEALTH.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

F. J. DESMOND,
District Medical Health Officer.

H. D. MORRIS, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.—Entire Sub-District, see Table I; Town of Chatham, Table IA; Town of Newcastle, Table IB.

In the matter of quarantine for contagious disease, the people manifest a greater willingness to comply with the Board of Health requirements and so arrest the spread of disease.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).—None.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.—*Town of Chatham.*—A thorough inspection of the town and parish of Chatham was made during the months of May and June. Many nuisances, as insanitary conditions of outhouses, were ordered removed, in some instances to avoid the pollution of well water.

An abnormal number of bodies of dead animals were reported not buried, but in every case the owner was found and orders given to bury same.

Houses were promptly quarantined and when ordered released were fumigated to the satisfaction of the Board. Bakeries, butcher shops, were regularly visited. Insanitary condition of the toilets in railway station improved.

Town of Newcastle.—The sanitary condition of this town is much improved. Sewerage has been installed in many residences, doing away with cesspools. Restaurants and hotels are visited regularly. Refuse is not allowed to accumulate, as before. One well was condemned and placarded warning the user of the water to boil it, there being no other source of water supply near.

Complaints regarding the water-supply at the C. N. R. station are numerous, and the Board is endeavoring to have the town water installed by the railway management.

Rural Districts.—The sanitary inspectors in the rural districts patrolled their areas in May and June—orders and suggestions were cheerfully obeyed. Special attention was given to schoolhouses and outbuildings connected with them, resulting in marked improvement. Supposed sources of water pollution inspected and remedied in each instance.

MEDICAL INSPECTION OF SCHOOLS.—Medical inspection in the schools was not general, the Town of Chatham being the only area having the service during the year. Our province will have full time medical inspectors, made possible by the grant to the province from the Rockefeller Foundation. The incalculable benefits to be derived from the service cannot be estimated and our people should feel deeply grateful to the Hon. the Minister of Health, Dr. W. F. Roberts.

LEGAL PROCEEDINGS.—None.

GENERAL.—It is pleasing to note the comparatively small number of infectious diseases occurring in our Health District during the year. Otherwise the year has been an active one. The officers from experience have a better understanding of their duties, therefore their work is more efficient. They have all been very active in the abating of nuisances. The public appreciate the betterment of conditions generally. Special attention was given the milk supplied by dealers in the towns, thus keeping it pure and clean; one dealer was forced to discontinue the sale of milk, as it was found impure.

Glass covered posters relative to Venereal Diseases were posted in the railway stations.

Through the generosity of the Provincial Red Cross, a Public Health Nurse was sent to Chatham in January, 1922, for six months. The value of her services to the community being recognized, the local Red Cross and the I. O. D. E. undertook the responsibility of re-engaging her for another year, most of her work being child welfare, and assisting the medical school inspectors in follow-up work. Twenty-four (24) children received free operative treatment for tonsils and adenoids, the local physicians giving their services and Hotel Dieu Hospital their beds and services.

The County Council's refusal to vote the estimates of the sub-district Board has required a very great deal of forethought on the part of the officials to carry on. In September of this year, the Board received an installment, on account of the Judge's order to recalcitrant counties to pay up. Previous to this time salaries and other accounts were in arrears for more than twelve months. At times it looked as if the Board would be unable to function. In the latter connection, I wish to thank most sincerely Dr. Melvin, Chief Medical Officer, and Dr. Desmond, District Medical Health Officer, for their courtesy and helpful advice. I trust in future the Municipal County will co-operate with the Department of Health in carrying out the Act, which is productive of so much good to the province.

COMPOSITION OF BOARD AND STAFF.

Members of Board.—Dr. F. J. Desmond, D. M. H. O., Chairman, Newcastle; Dr. John Wier (G), Doaktown; Andrew McCabe (G), Newcastle; Dr. H. G. Vaughan (G), Chatham; James Godfrey (G), Black River Bridge; Fred Robichaud (G), Neguac.

Secretary.—H. D. Morris.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Alnwick.....	Dr. P. J. Wallace.....	Covedell.
Blackville.....	Thomas Dunn.....	Blackville.
Blissfield.....	Bradford Ogilvie.....	Doaktown.
Chatham, town and parish.....	Michael Murray.....	Chatham.
Derby.....	J. J. Clarke.....	Millerton.
Glenelg.....	Enoch Godfrey.....	Centre Napan.
Hardwicke.....	Joseph Kingston.....	Bay du Vin.
Ludlow.....	John S. Pond.....	Ludlow.
Nelson.....	William P. Kirk.....	Kirkwood.
Newcastle, t.....	A. E. Petrie.....	Newcastle.
Newcastle.....	Major A. S. Carreron.....	Douglastown.
North Esk.....	James Young.....	Whitney.
Rogersville.....	Fred S. Richard.....	Rogersville.
South Esk.....	J. M. Sutherland.....	Red Bank.

SUB-DEPUTY REGISTRARS.

AREA.	NAME.	ADDRESS.
Alnwick.....	Dr. P. J. Wallace.....	Covedell.
Blackville.....	Thomas Dunn.....	Blackville.
Blissfield.....	Bradford Ogilvie.....	Doaktown.
Derby.....	J. J. Clarke.....	Millerton.
Chatham.....	E. L. Morris.....	Chatham.
Chatham, t.....	H. D. Morris.....	Chatham.
Glenelg.....	Enoch Godfrey.....	Centre Napan.
Hardwicke.....	Joseph Kingston.....	Bay du Vin.
Ludlow.....	John S. Pond.....	Ludlow.
Nelson.....	W. F. Kirk.....	Kirkwood.
Newcastle.....	Major A. S. Cameron.....	Douglastown.
Newcastle, t.....	A. E. Petrie.....	Newcastle.
North Esk.....	James Young.....	Whitney.
Rogersville.....	Rev. W. E. Sormany.....	Rogersville.
South Esk.....	J. M. Sutherland.....	Red Bank.

MEDICAL SCHOOL INSPECTORS.

Town and Parish Chatham.....	Drs. B. A. Marven and W. S. Loggie.....	Chatham.
Town and Parish Newcastle.....	Dr. R. Nicholson.....	Newcastle.
Parishes Hardwicke and Glenelg.....	Dr. W. S. Loggie.....	Chatham.
Parishes Ludlow and Blissfield.....	Dr. John Wier.....	Doaktown.

FINANCIAL REPORT.—Table II.

Table No. I.

ENTIRE SUB-DISTRICT OF NORTHUMBERLAND.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	42	6	14.3	17.4
Scarlet Fever.....	25			
Typhoid.....	11	1	9.09	2.09
Measles.....	1			
Smallpox.....	1			
Tuberculosis.....	15	15	100.0	43.5
Epidemic Influenza.....				
Other Notifiable Diseases.....				
Total.....	95	22	23.1	63.8

Table No. IA.

TOWN OF CHATHAM.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	11			
Scarlet Fever	11			
Typhoid	9			
Measles				
Smallpox				
Tuberculosis				
Epidemic Influenza				
Other Notifiable Diseases				
Total	31			

Table No. IB,

TOWN OF NEWCASTLE.

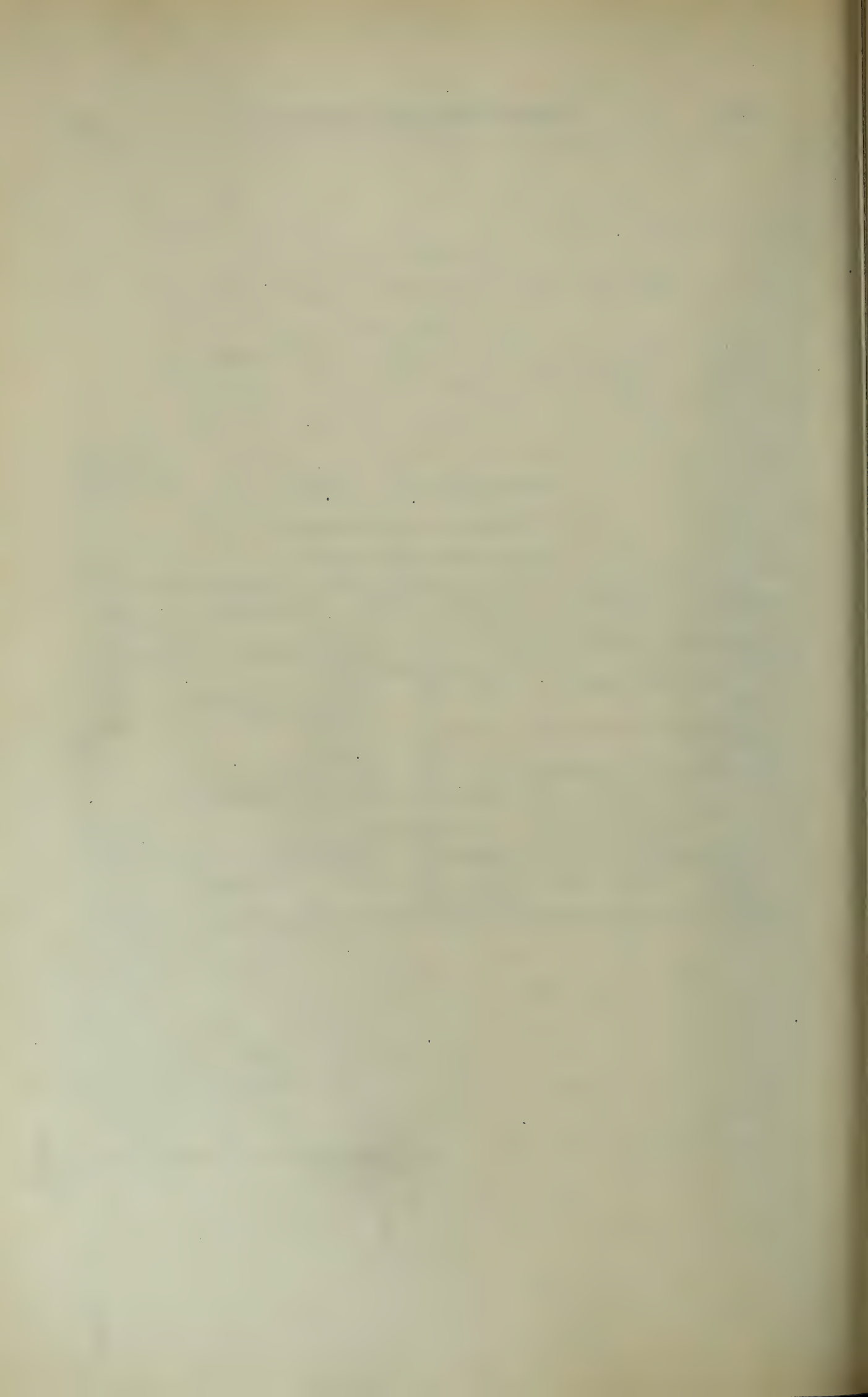
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	1	1	100.0	28.0
Scarlet Fever	1			
Typhoid				
Measles				
Smallpox				
Tuberculosis				
Epidemic Influenza				
Other Notifiable Diseases				
Total	2	1	50.0	28.0

Table No. II.
ANNUAL FINANCIAL RETURN.
SUB-DISTRICT OF NORTHUMBERLAND.
Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921-1922	Balance on hand from 1920-21.....	\$55 86	1922	Deficit (1920-21).....	\$1,451 31
	From Municipality.....	2,241 12		Salaries.....	1,829 14
1921				Postage and Stationery..	40 27
Dec 21	Loan from Government .	290 71		Incidental Expenses....	284 13
1922				Vaccine.....	5 85
Mar 16	Loan from Government (S. D. R.).....	350 00		Analysis.....	5 00
	Bills Receivable from Municipality for Current Year.....	2,014 70		Supplies (printed forms) .	10 42
				Contagious Diseases:	
				Diphtheria.....	114 65
			Oct. 31	Bills Payable.....	1,073 10
				Balance.....	138 52
		\$4,952 39			\$4,952 39



ANNUAL REPORT OF SUB-HEALTH DISTRICT OF
QUEENS
YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
DEPARTMENT OF HEALTH,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

WM. WARWICK,
District Medical Health Officer.

D. W. BABBIT, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, see Table I.

Total cases of notifiable diseases were only fifty-four as against ninety last year. There were only five cases of diphtheria reported this year — eight last year. Of these five cases, only two occurred in the same community, which speaks well for the precautions taken. Ten (10) cases of scarlet fever were reported, while last year there were fourteen. One parish had two cases in one family, while the other cases (eight) occurred in two families in another parish. These cases were all very mild and had been infected before a physician was called.

The number of typhoid cases was the same as last year, *i.e.*, ten (10). Three single cases occurred in separate communities, one of which was infected in another county; four occurred in one village, three of which were in one family (two infected from first case); the other case apparently had no connection with this first family. Three other cases occurred in one family in a distant community, the first case receiving her infection in another county and infecting the two other members of the family before the case was reported. Had these latter cases been reported promptly, the secondary cases might easily have been prevented by inoculation against the disease. As it was, other members of the family were protected and other precautions taken. There was one death from typhoid, one of the cases infected in another county.

The twenty-nine (29) cases of influenza were reported from the following parishes: Jemseg, nine; Gagetown, thirteen; Hampstead, seven.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).— None.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.—*Gagetown and Hampstead.*— Sanitary inspector reports area in good sanitary condition; very few nuisances found and these were readily attended to upon request from the inspector.

Petersville.— This inspector's reports show good sanitary conditions in his area, with no nuisances, which is certainly an improvement over last year. There have been no reports of notifiable disease from his parish during the year.

Wickham, Brunswick, Johnston (east of Washademoak).— This inspector's work is most satisfactory. He reports sanitary conditions improved, and states he finds that people are quite willing to remedy any insanitary condition when requested by him so to do, and he rarely has to send out notices to have the work attended to. He has had several nuisances removed during the year and has also attended to cases of notifiable diseases in his area.

Cambridge. Waterboro, Johnston (west of Washademoak).— This inspector also gives a good report of conditions in his area. There have been a few cases of notifiable diseases in these parishes, several cases of scarlet fever. A school in Cambridge parish was closed on account of scarlet fever among children attending, and the schoolhouse was thoroughly fumigated.

Chipman.— The inspector for this parish states he finds his area in much better condition this year than last. His orders for removal of several nuisances have been complied with.

Canning.— This inspector reports his area is in very fair condition for a mining section. He had made several inspections during the year, and had nuisances removed when necessary. Cases of notifiable diseases have received his attention.

I might say that all the inspectors, with the exception of one or two perhaps, are sending in their monthly reports promptly, and the annual report books (form D-2) have been used, and several have been already returned to the secretary.

MEDICAL INSPECTION OF SCHOOLS.— Medical inspection for the school year of 1921-22 was attended to during the fall term, and was undertaken by three medical inspectors. These inspectors sent in full reports for eighty-five schools.

COMPOSITION OF BOARD AND STAFF.

Members.— Dr. Wm. Warwick, D. M. H. O., Chairman, St. John; H. B. Bridges (G), Gagetown; Capt. R. H. Weston (M), Gagetown; A. L. Gunter (M), White's Cove; Eldon Akerley (M), McDonald's Point; Bayard Slipp (M), Hampstead.

Secretary.— Miss D. W. Babbit, Gagetown.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Gagetown, Hampstead.....	D. C. Slipp.....	Hampstead.
Petersville.....	H. T. Hassan.....	Welsford.
Cambridge, Waterboro, Johnston (west of Washademoak).....	Chas. Titus.....	Jemseg.
Wickham, Brunswick, Johnston (east of Washademoak).....	Cecil Ferris.....	Cambridge.
Chipman.....	P. T. Flewelling.....	Chipman.
Canning.....	Wm. Upton.....	Canning.

SUB-DEPUTY REGISTRARS.

Brunswick.....	R. H. Corey.....	Butternut Ridge.
Cambridge.....	Chas. Titus.....	Jemseg.
Canning.....	Wm. Upton.....	Minto.
Chipman.....	P. T. Flewelling.....	Chipman.
Gagetown.....	D. W. Babbit.....	Gagetown.
Hampstead.....	D. C. Slipp.....	Hampstead.
Johnston.....	Dr. G. E. Hetherington.....	Cody.
Petersville.....	Mrs. S. Graham.....	Welsford.
Waterboro.....	Bertram Barton.....	Cumberland Bay.
Wickham.....	M. I. Carpenter.....	Wickham.

MEDICAL SCHOOL INSPECTORS.		
AREA.	NAME.	ADDRESS.
Brunswick, Cambridge, Johnston, Wickham.....	Dr. A. B. Walter.....	Cambridge.
Brunswick, Cambridge, Johnston, Wickham.....	Dr. H. B. Hay.....	Chipman.
Gagetown, Hampstead, Peters- ville.....	Dr. W. M. Jenkins.....	Gagetown.

FINANCIAL REPORT.— Table II.

Table No. I.

ENTIRE SUB-DISTRICT OF QUEENS.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	5	.....	.....	.....
Scarlet Fever.....	10	.....	.....	.....
Typhoid.....	10	1	10.0	8.5
Measles.....	.....	.....	.....	.....
Smallpox.....	.....	.....	.....	.....
Tuberculosis.....	.....	.....	.....	.....
Epidemic Influenza.....	29	.....	.....	.....
Other Notifiable Diseases.....	.....	.....	.....	.....
Total.....	54	1	1.85	8.5

Table No. II.

ANNUAL FINANCIAL RETURN.
ENTIRE SUB-DISTRICT OF QUEENS.
Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1921		
Nov. 1	Cash on hand 1920-21...	\$646 41	Nov. 1	Salaries.....	\$1,875 00
1922	From Municipality (On		to	Postage and Stationery..	32 15
Oct. 2	Judgment from Su- preme Court).....	1,427 05		Incidental Expenses.....	42 85
May	Other Revenue.....	1 50		Supplies, (printed forms)	15 77
Mar. 7	Loan from Provincial Government*.....	250 00	1922	Loan Returned to Pro- vincial Government...	250 00
			Oct. 31	Balance on hand.....	109 19
		\$2,324 96			\$2,324 96

Deficit at end of calendar year 1921.....	\$523 80
Bills Payable November 1, 1922:	
Medical Inspectors' Salaries (owing on 1921-22 school year ending June 30)...	\$750 00
Loan 1921.....	825 00
Interest on above.....	41 25
Interest on 1919 loan.....	74 65
Other bills.....	9 66
Total,	<u>\$1,700 56</u>

*This loan was made for salaries of sub-deputy registrars, but was returned to Provincial Government, as these salaries had been paid for the year 1921, and were not again due until December 31, 1922.

ANNUAL REPORT OF SUB-HEALTH DISTRICT OF
RESTIGOUCHE
YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health for the year 1921-22.

F. J. DESMOND,
District Medical Health Officer.

A. McG. McDONALD, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.—For entire Sub-District, see Table I. No reports for individual towns available, owing to negligence of former secretary, now dismissed (G. G. M.)

During the year notifiable diseases have not bothered us much, except in the Parish of Durham, where diphtheria seemed to hang around in spite of all efforts. This trouble is caused mostly by poor people, who, ignorant of results, do not bother themselves when one or more of their children have a sore throat, until there is fear of death, before they call a doctor. The Board, for a time, engaged a nurse to visit all homes where any kind of sore throat was reported or suspected. We believe this nurse did good and effective work.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).—None have been closed and we have had to threaten but one only.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.—Our sanitary inspectors are all a good class of men and, with few exceptions, we believe, are looking after their work in good shape. Mr. G. E. Asker, for the Town of Campbellton, is a most efficient officer who, besides making his entire inspections of the town, is ever ready to investigate any trouble reported to him. Mr. Chas. Laughlan for the upper part of the Parish of Durham, has had a lot of hard work and has attended to it well. All have been supplied with a copy of regulation 142 (Nuisances) and were instructed to read it carefully and carry out its demands.

The secretary, on the invitation of Dr. Geo. G. Melvin, Chief Medical Officer, attended the meeting of the Bureau of Health, held in St. John, N. B., June 27th and 28th. Words fail him to express his estimate of this Public Health work. Lots of instruction and information from able men.

MEDICAL INSPECTION OF SCHOOLS.—This work was well done by our local doctors in the greater number of schools in this county. Now, with a doctor whose sole duty is to attend to this work, it should be even a greater blessing in the future. It is impossible to estimate the beneficial results. Many, now children, in a few years will be or should be thankful that such an inspection had been in force in their day. The people now should be thankful to the Hon. Dr. Roberts that he has been able to have this great work carried on, for at least two years more, without any cost to them.

LEGAL PROCEEDINGS.—None.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. F. J. Desmond, D. M. H. O., Chairman, Newcastle; Dr. L. G. Pinault (G), Campbellton; James H. Moores (T), Campbellton; Archibald Murchie (M), Nash's Creek; Alex. Arseneau (M), Upper Charlo; Wm. Copeland (M), Dawsonville; Alex. J. Levesque (M), St. Quentin.

Secretary.— A. McG. McDonald, Campbellton.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Addington.....	Hugh A. Marquis.....	Shives Athol.
Balmoral.....	Edw. Bernard.....	Balmoral.
Campbellton.....	G. E. Asker.....	Campbellton.
Colborne.....	Louis Giroux.....	Charlo Station.
Dalhousie, town and part parish.....	S. Blanchard.....	Dalhousie.
Durham (part).....	John Callahan.....	Jacquet River.
Durham (part).....	Chas. Laughlan.....	Jacquet River.
Grimmer (part).....	Napoleon Garand.....	St. Quentin.
Grimmer (part).....	Alex. Gauthier.....	Kedgwick.
Eldon.....	Wm. W. Borden.....	Upsalquitch.

SUB-DEPUTY REGISTRARS.

Addington.....	Hugh A. Marquis.....	Shives Athol.
Balmoral	{ Edw. Bernard.....	Balmoral.
	{ Rev. J. A. Allard, Assistant.....	Val d'Amour.
Colborne.....	Louis Giroux.....	Charlo Station.
Dalhousie.....	Catherine Phillips.....	Dalhousie.
Dalhousie, t.....	Catherine Phillips.....	Dalhousie.
Durham	{ Chas. Laughlan.....	Black Point.
	{ Rev. J. G. Cormier, Assistant....	Jacquet River.
Grimmer	{ Rev. E. Martin.....	St. Quentin.
	{ Rev. J. B. Thibeault, Assistant..	Kedgwick.
St. Quentin.....	Rev. E. Martin.....	St. Quentin.

MEDICAL SCHOOL INSPECTORS.

Dalhousie, t.....	Dr. J. R. Disbrow.....	Dalhousie.
St. Quentin.....	Dr. J. A. Dube.....	St. Quentin.
Colborne (part), Durham	Dr. R. L. Ellis.....	Jacquet River.
Dalhousie (part parish)	Dr. A. Martin.....	Campbellton.
Campbellton.....	Dr. D. Murray.....	Campbellton.

FINANCIAL REPORT.— Table II.

All I could do with the past secretary's finances was to take the balance given in his last report, from that deduct the amount on hand when I took charge; the difference we took as the amount of his expenditures.

Table No. I.

ENTIRE SUB-DISTRICT OF RESTIGOUCHE.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	24	1	4.1	4.2
Scarlet Fever.....	4			
Typhoid.....	17			
Measles.....	3			
Smallpox.....	7			
Tuberculosis.....	1			
Epidemic Influenza.....				
Other Notifiable Diseases.....	2			
Total.....	58	1	1.72	4.2

Table No. II.

ANNUAL FINANCIAL RETURN.
SUB-DISTRICT BOARD OF RESTIGOUCHE.
Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1922		
Nov 30	Balance in Bank.....	\$3,086 19	April	Salaries (7 mos.).....	\$1,318 34
	Less Expenditures late		to	Postage, Stationery, etc..	106 50
	Secretary from No-		Oct.	Travelling Expenses,	
	vember 1, 1921, to			Members of Board....	49 00
1922	April 1, 1922.....	1,821 64		Balance.....	4,816 46
July 2	Balance on hand.....	1,264 55			
Aug. 2	Municipal Grant.....	5,000 00			
Aug. 2	Fine Collected.....	25 00			
Aug. 2	Sundries.....	75			
		\$6,290 30			\$6,290 30

ANNUAL REPORT OF SUB-HEALTH DISTRICT OF
ST. JOHN (CITY AND COUNTY).

YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

WM. WARWICK,
District Medical Health Officer.

T. M. BURNS, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, see Table I; City of St. John, Table IA.

The total number of cases of notifiable diseases reported for the year 1922 shows a very marked decrease from 1921, *i.e.*, 41%. The following diseases showed decreases: Diphtheria, 40%; scarlet fever, 36%; typhoid (including para-typhoids), 15%. While the number of cases of tuberculosis reported showed an increase of 31%, this was due rather to the "Case-finding Campaign" of the Anti-Tuberculosis Society and also the better reporting of cases rather than to any actual increase in the actual number of cases. A few cases of epidemic influenza were reported, mostly in the county. Other notifiable diseases (minor infectious diseases) showed an increase, but as these diseases are not fully reported (only 42 in all) this increase is of no special importance. On the whole, the more important diseases are being more promptly reported by physicians. In the City of St. John, scarlet fever, as for many years past, has been as a rule of an extremely mild type, many cases not being recognised until secondary cases have arisen or until children are found desquamating freely, when enquiry revealed a history of mild "sore throat" and "slight rash." Typhoid (including para-typhoids) has, as last year, been very fully investigated. Many of the cases were very mild, so much so in fact, that often a physician was not called in until secondary cases had occurred in the family. Enquiry into the sources of infection showed that about 20% of the cases were probably infected elsewhere than in the city. About 17% probably received their infection from other cases in the same family. Thirteen per cent. of the cases had playmates or chums previously ill. Seventeen per cent. occurred where there had been other cases in the neighborhood and where insanitary conditions existed in the households or surroundings. In twenty (20%) per cent. the source of infection was uncertain but there were insanitary conditions existing. In thirteen (13%) per cent. no cause could be ascertained (see remarks on "wooden sewers" under "Notes on General Sanitary Conditions"). About thirty-six (36%) per cent. of the patients were under sixteen years of age. The greater number of cases were reported in October, September and June, respectively. The large number in the weeks when flies are most numerous, especially indoors, is of some significance. A considerable number of cases apparently received their infection from other members of the family or from chums who had recovered from an attack of the disease, which shows the necessity of considering every recovered

case as a potential source of danger for long periods after convalescence. Where cases were reported early and the family and contacts were promptly inoculated, no subsequent cases occurred. We have encouraged the widespread use of this procedure and would recommend that those whose business or pleasure takes them away from home, particularly in the summer, should make greater use of this simple safeguard against typhoid infection.

The total deaths from notifiable diseases for the year shows a decrease of forty-five (45%) per cent. from 1921. There were two (2) less deaths from diphtheria; two (2) less from scarlet fever; six (6) less from typhoid. Of the three (3) deaths from this disease, one was a patient brought in from another county for treatment in the General Public Hospital and should not properly be included in the figures for this sub-district.

Investigation of diphtheria deaths has shown, as in the past, that most of these cases were thought to be simple "sore throat" or "croup" and, so, when medical aid was sought, the time had passed when the administration of antitoxin would almost certainly have produced a cure. Once more we should urge parents to seek medical aid promptly in all cases of sore throat and croup.

The greatest reduction in deaths from any one disease was in tuberculosis, there being fewer deaths this year. In regard to tuberculosis in the City of St. John itself we have included the deaths of city residents which took place in the County Hospital for Tuberculosis. This gives for the city a tuberculosis death-rate of 82.6 per 100,000 population, by far the lowest on record. This low death-rate from tuberculosis is, largely, the result of the combined and steady work of all the agencies, both official and voluntary, which for years have had as their objective the elimination of this scourge, and should be an added incentive to all such bodies to continue earnestly in this fight, the results of which, though taking years to be manifested, mean so great a saving to the community both in lives and suffering, to say nothing of the enormous economic gain.

GENERAL SANITARY CONDITIONS.—The outstanding improvement which will ultimately result in much benefit to a large section of the North End of the city is the laying of trunk sewers which will carry the sewage from Lansdowne and Dufferin Avenue section, Metcalfe Street extension and surrounding district, into the Newman Brook sewer built last year. This whole area has been for years a source of nuisance and a danger to the community.

At the last session of the Legislature a bill regarding sewerage in the Parish of Simonds was passed in December, the rate payers of East St. John, in that parish, are to vote on a plebiscite for sewerage in that district, under the provisions of this bill. It is to be hoped that the vote will be favorable as conditions in this area are becoming worse as building increases.

A septic tank has been built at Green Head in the Parish of Lancaster to care for sewage from a considerable section in the vicinity. Efforts have been made, with a fair degree of success, to have improvements made in a number of instances where sewerage facilities are lacking or are creating a nuisance.

The existence of old wooden sewers, in some cases running through lots, in certain sections of the city, is a matter of grave concern, as many of these sewers, though once watertight, are now in such state that gross pollution of the surrounding ground is bound to occur, and in some instances the sewage ultimately seeps into the cellars of houses. The number of these wooden sewers is greatest in the section of the city where by far the most typhoid cases occurred this past summer and where also the proportion of cases among young children was rather high, just such persons as would be liable to infection from playing in polluted soil.

The usual large part of the time of our sanitary inspectors has been taken up with the inspecting of yards and premises.

The need for civic collection and disposal of garbage which has been advocated for years, would result in a much cleaner and healthier city and would be much more economical for the average householder than the present method of private collection.

CLOSURE OF HOUSES.— During the year five houses were closed as being unfit for habitation.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— The Chief Inspector made 336 special inspections, investigated 228 cases of infectious and contagious diseases; made 579 miscellaneous calls, seized and destroyed 4,288 pounds of meat which was unfit for human consumption, and assisted the Plumbing Inspector in making inspections at 23 premises at East St. John.

Inspector Kelly made 1,328 inspections of yards, etc., and 50 of barns and stables. He also assisted the Chief Inspector in disinfecting.

The sanitary inspectors in the county attended to all work assigned to them during the year.

The Plumbing Inspector reports that plumbing was installed in 72 new houses and 125 old houses; that 1,212 fixtures were put in and that 46 privies were done away with.

The Dairy and Food Inspector reports 497 inspections of cattle, dairy and milk plants; that 426 samples of milk were collected for examination as to butter fat, 326 for examination for bacteria, and 2,365 sediment tests done; that 241 visits were made at the slaughter-houses.

The assistant Food Inspector made 3,330 inspections of bakeries, restaurants and stores, and issued 334 permits for the sale of milk in shops.

LEGAL PROCEEDINGS.— Sixteen cases were taken to the Police Court for infringement of the food and milk regulations. Convictions were obtained in all cases. Fines were collected in twelve cases and four were allowed to stand.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Wm. Warwick, M.D., D. M. H. O., St. John; John Kelly (G), Chairman, St. John; R. W. Wigmore (C), St. John; Dr. S. E. Bridges (C), St. John; Miss Julia Lawlor (C), St. John; Mrs. R. J. Hooper (M), St. John; George Blake (M), St. John; Dr. L. M. Curren (M), St. John; Walter H. Golding (M), St. John.

Secretary.— T. M. Burns, St. John.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Lancaster, Musquash.	Wm. G. Haggarty.	Fairville.
St. John City.	S. McConnell.	St. John.
St. John City.	C. Hayden Kelly.	St. John.
St. Martins.	Thos. E. Nugent.	St. Martins.
Simonds.	LeBaron B. Jordan.	Loch Lomond Road.

SUB-DEPUTY REGISTRARS.

Lancaster.	Wm. G. Haggarty.	Fairville.
Musquash.	Alex. Carscadden.	R. R. 2, Lepreaux.
St. John City.	T. M. Burns.	St. John.
St. Martins.	Thos. E. Nugent.	St. Martins.
Simonds.	LeBaron B. Jordan.	Loch Lomond Road.

MEDICAL SCHOOL INSPECTORS.

Lancaster, Musquash, Simonds.	Dr. Omer Comeau.	Fairville.
St. John City.	Dr. M. Hanington.	St. John.
Simonds.	Dr. H. E. Gillmor.	St. Martins.

OTHER OFFICIALS.

St. John.....	Dr. C. M. Pratt.....	Medical Officer.
St. John.....	Dr. T. F. Johnston.....	Dairy and Food Inspector.
St. John.....	Mrs. J. S. Flewelling.....	Assistant Food Inspector.
St. John.....	Richard Walsh.....	Plumbing Inspector.
St. John.....	Mrs. M. Armstrong.....	School Nurse.
St. John.....	Miss Ada A. Foley.....	School Nurse.
St. John.....	Miss S. E. Brophy.....	Tuberculosis Nurse.
St. John.....	Miss E. Burns.....	Stenographer.
St. John.....	Mrs. S. Murphy.....	Matron, Isolation Hospital.
St. John.....	Francis Murphy.....	Ambulance Driver.
St. John.....	J. Roy Campbell, K.C.....	Solicitor.

Table No. I.

ENTIRE SUB-DISTRICT CITY AND COUNTY ST. JOHN.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	106	9	8.49	14.4
Scarlet Fever.....	83	1	1.20	1.6
Typhoid.....	89	3	3.37	4.8
Measles.....	1	.....	.....	.....
Smallpox.....	.....	.....	.....	.....
Tuberculosis*.....	144	41	28.47	65.6
Epidemic Influenza.....	14	1	7.14	1.6
Other Notifiable Diseases.....	42	.....	.....	.....
Total.....	479	55	11.48	88.0

Table No. IA.

CITY OF ST. JOHN.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	61	6	9.83	12.6
Scarlet Fever.....	71			
Typhoid.....	82	3	3.65	6.3
Measles.....	1			
Smallpox.....				
Tuberculosis*.....	119	39	32.77	81.9
Epidemic Influenza.....	5			
Other Notifiable Diseases.....	41			
Total.....	380	48	12.63	100.8

*Number of deaths from Tuberculosis includes twenty (20) cases from the city which died in the County Hospital. These also appear in the table for the entire sub-district.

Table No. II.

ANNUAL FINANCIAL RETURN.
SUB-DISTRICT BOARD OF ST. JOHN (CITY AND COUNTY).
Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1921		
Nov. 1	Balance on hand 1920-21.	\$753 07	Nov. 1	Salaries.....	\$17,337 47
to	From Municipality.....	25,637 26	to	Postage and Stationery..	
1922	Fees.....	364 65	1922	Incidental Expenses....	
Oct.31	Other Revenue.....	346 30	Oct 31	Vaccine.....	
				Analyses.....	
				Supplies, (printed forms)	
				Contagious Diseases:	
				Smallpox.....	
				Typhoid.....	
				Diphtheria.....	
				Epidemic Influenza...	
				Other Diseases.....	
				Balance on hand.....	2,516 77
		\$27,101 28			\$27,101 28

ANNUAL REPORT OF SUB-HEALTH DISTRICT OF
SUNBURY
YEAR ENDING OCTOBER 31, 1922.

TO GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for year ending 31st October, 1922.

J. A. WADE,
District Medical Health Officer.

JOHN W. GILMOR, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, see Table I.

Of the two (2) cases of diphtheria, one (1) was in Oromocto and one (1) in Fredericton Junction. The four (4) cases of scarlet fever were all in the area of Burton. Of the three (3) cases of typhoid, one (1) was in the area of Maugerville, one (1) in the area of Burton and one (1) in the area of Sheffield. The one (1) case of tuberculosis was in the area of Burton. None of these cases were reported as having terminated fatally.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— In the cases of notifiable diseases, the houses infected were promptly placarded and, in due course, fumigated. A number of nuisances that had been reported were attended to without delay. The sanitary condition of the sub-district is very good, but there is still room for improvement. The general health is good. If some slight indifference on the part of the inspectors has been shown, it is hardly to be wondered at, as they have received no remuneration for their services since April, 1921, the Municipal Council having refused to provide the necessary funds for carrying on the work of the Board. The tabulated form (D-4) of a Monthly Report of the Inspectors to the Secretary, to be mailed on the second of each month, is of great assistance to the secretary by keeping him informed as to general conditions throughout the entire sub-district, and, as the inspectors become more familiar with its purpose and use, and acquire the habit of mailing it promptly, its advantages will become more apparent.

The offices of sanitary inspector and sub-deputy registrar of Vital Statistics for the area of Maugerville, were made vacant in October by the resignation of Mr. N. B. Day, and these were immediately filled by the appointment of Mr. John B. Killeen, of Maugerville, who has undertaken to perform the duties.

MEDICAL INSPECTION OF SCHOOLS has been carried on in a most satisfactory way. This service is gaining rapidly in favor, as it is becoming better understood, particularly by the parents.

LEGAL PROCEEDINGS.— None.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. J. A. Wade, D. M. H. O., Chairman, Fredericton; Dr. Geo. W. Bailey (G), Fredericton Junction; A. R. Miles (G), (Maugerville) R. R. 2, Fredericton; Alex. Burnett (G), (local Chairman), Oromocto; Dr. H. B. Lawson (G), Minto.

Secretary.— John W. Gilmor, Oromocto.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Blissville.....	Benj. Parsons.....	Hoyt.
Burton.....	Geo. W. Kimball.....	Oromocto.
Gladstone.....	D. A. Duplisea.....	Fredericton Junction.
Lincoln.....	J. G. Noble.....	Russiagornis.
Maugerville.....	J. B. Killeen.....	R. R. 2, Fredericton.
Northfield.....	G. S. Branscombe.....	Minto.
Sheffield.....	F. W. Barker.....	R. R. 1, Maugerville.

SUB-DEPUTY REGISTRARS.

Blissville.....	Benj. Parsons.....	Hoyt.
Burton.....	John W. Gilmor.....	Oromocto.
Gladstone.....	D. A. Duplisea.....	Fredericton Junction.
Lincoln.....	J. G. Noble.....	Russiagornis.
Maugerville.....	J. B. Killeen.....	R. R. 2, Fredericton.
Northfield.....	G. S. Branscombe.....	Minto.
Sheffield.....	F. W. Barker.....	R. R. 1, Maugerville.

MEDICAL SCHOOL INSPECTORS.

Blissville, Gladstone, Lincoln,	
Burton (rear).....	Dr. G. W. Bailey..... Fredericton Junction.
Northfield, Sheffield, Maugerville,	
Burton (front).....	Dr. P. T. Kierstead..... R.F.D. 1, Maugerville.

Table No. I.

ENTIRE SUB-DISTRICT OF SUNBURY.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	2	.....	.....	.....
Scarlet Fever.....	4	.....	.....	.....
Typhoid.....	3	.....	.....	.....
Measles.....	.....	.....	.....	.....
Smallpox.....	.....	.....	.....	.....
Tuberculosis.....	1	.....	.....	.....
Epidemic Influenza.....	.....	.....	.....	.....
Infantile Paralysis.....	.....	.....	.....	.....
Other Notifiable Diseases.....	14	.....	.....	.....
Total.....	24	.....	.....	.....

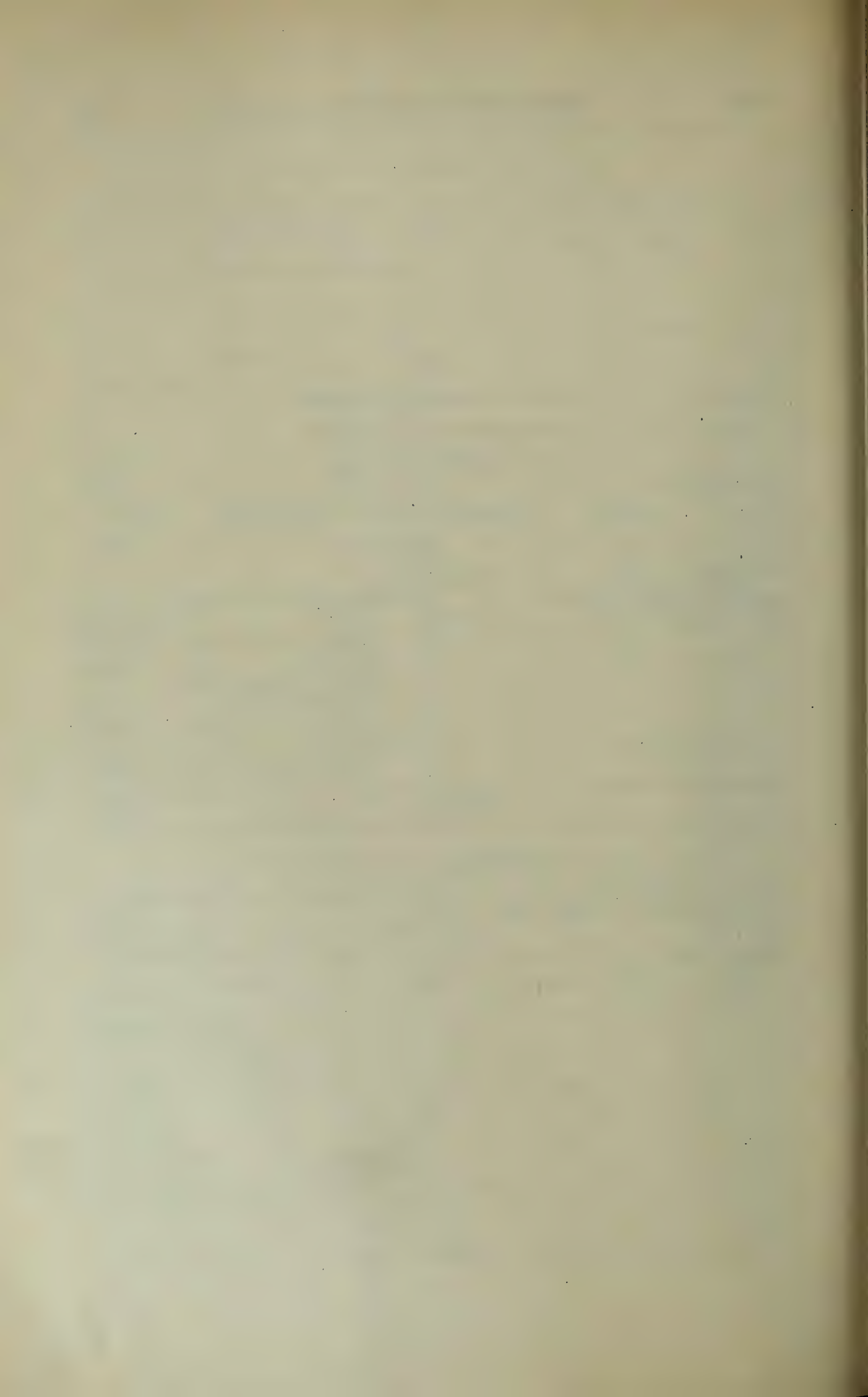
Table No. II.

ANNUAL FINANCIAL RETURN.
SUB-DISTRICT BOARD OF SUNBURY.
Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1921-		
Oct 31	Balance on hand	\$142 03	1922		
1922	Loan from Government		Mar 18	Salaries S. D. R. to April,	
Mar. 6	to pay S. D. R.	150 00		1922	\$143 75
				Postage and Stationery..	11 92
				Telephone	22 00
				Members Expenses At-	
				tending Meetings	21 00
				Rent	60 00
				Incidental	10 35
				Balance	23 01
		\$292 03			\$292 03

MEMO.— Deficits (now in the Courts).

Government Loan 20th July, 1920	\$3,000 00
Government Loan 11th March, 1921	575 00
Deficit 1921	1,752 00
Estimates 1922	2,300 00
	<u>\$7,627 00</u>



ANNUAL REPORT OF SUB-HEALTH DISTRICT OF
VICTORIA
YEAR ENDING OCTOBER 31, 1922.

TO GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

J. A. WADE,
District Medical Health Officer.

G. I. McPHAIL, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.—Entire Sub-District, see Table I; Town of Grand Falls, Table IA.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).—None.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.—*Parish of Perth.*—There have been very few complaints regarding nuisances, these few have been attended to. A house to house examination was made in the village of Perth in June, with satisfactory results. Two cases of typhoid were reported in September; this led to an examination of the water supply and the proper steps were taken.

Parish of Andover.—Mr. Scott has had several complaints regarding dumps, etc. He has attended to these in a competent manner and in each instance a marked improvement has been made. In June a house to house examination of the villages of Aroostook and Andover was made and the results noted in the book for this purpose. There has been one case of typhoid and three cases of scarlet fever. Sanitary conditions good.

Parish of Grand Falls.—Sanitary conditions as a whole, good. Mr. Wilson has given good service; he attends to his duties promptly and in an efficient manner. He made house to house examination of Town of Grand Falls in June. There have been eight cases of typhoid reported in the Town of Grand Falls. Nine cases of diphtheria were reported from Grand Falls Portage. These were mostly of a very mild type and some difficulty was found in keeping the families in quarantine. Mr. Wilson travelled 234 miles during the year.

Area of Plaster Rock.—We have a new inspector in this area. Since his appointment the first of the year, Mr. Anderson has done good work. Sanitary conditions have been good and here, as in the other areas, there have been few cases of notifiable disease, nothing being reported until October, when there were two cases of scarlet fever in one house. A house to house examination of Plaster Rock was made in June.

MEDICAL INSPECTION OF SCHOOLS.—In the fall of 1921, sixteen schools were examined by Dr. A. F. MacIntosh, twenty-one by Dr. R. W. L. Earle and twenty-one by Dr. Coffin. Owing to illness, Dr. Chapman did not get his work done until spring when he examined twenty-six schools. A number of complaints have been received this fall as to skin diseases in schools, and teachers have been told to exclude pupils so affected.

LEGAL PROCEEDINGS.—None.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. J. A. Wade, D. M. H. O., Chairman, Fredericton; Dr. L. Chapman (G), Grand Falls; J. J. Sirois (M), Grand Falls; L. Rivers (M), Aroostook Junction; H. Tatlock (M), Plaster Rock.

Secretary.— Miss G. I. McPhail, Perth.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Andover.....	J. J. Scott.....	Andover.
Grand Falls.....	E. C. Wilson.....	Grand Falls.
Perth.....	J. E. Armstrong.....	Perth.
Plaster Rock.....	M. B. Anderson.....	Plaster Rock.

SUB-DEPUTY REGISTRARS.

Andover.....	J. J. Scott.....	Andover.
Grand Falls.....	Rev. Thos. Albert.....	Grand Falls.
Grand Falls, t.....	Rev. Thos. Albert.....	Grand Falls.
Drummond.....	Rev. F. Dugal.....	Drummond.
Gordon.....	A. W. Ridgewell.....	Plaster Rock.
Lorne.....	Mrs. Amos Gaunce.....	Riley Brook.
Perth.....	Miss G. I. McPhail.....	Perth.

MEDICAL SCHOOL INSPECTORS.

Lorne, Gordon (north of Arthur- ette Bridge).....	Dr. J. D. Coffin.....	Plaster Rock.
Perth, Gordon (south of Arthur- ette Bridge) Lerwick (Drum- mond).....	Dr. R. W. L. Earle.....	Perth.
Andover; Costigan, McLeod, Four Falls Schools (Grand Falls).....	Dr. A. F. MacIntosh.....	Andover.
Drummond (excepting Lerwick, Grand Falls (excepting Costigan, McLeod and Four Falls).....	Dr. L. Chapman.....	Grand Falls.

Table No. I.

ENTIRE SUB-DISTRICT OF VICTORIA.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	9	1	11.1	7.7
Scarlet Fever.....	4			
Typhoid.....	11			
Measles.....				
Smallpox.....				
Tuberculosis.....				
Epidemic Influenza.....				
Infantile Paralysis.....	1	1	100.0	7.7
Other Notifiable Diseases.....				
Total.....	25	2	8.0	15.4

Table No. IA.

TOWN OF GRAND FALLS.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....				
Scarlet Fever.....				
Typhoid.....	8			
Measles.....				
Smallpox.....				
Tuberculosis.....				
Epidemic Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....				
Total.....	8			

Table No. II.

ANNUAL FINANCIAL RETURN.

SUB-DISTRICT OF VICTORIA.

Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1921-		
Nov. 1	Municipal Grant	\$1,400 00	1922	Salaries	\$1,546 00
to	Balance from 1920-21	2,349 57		Postage and Stationery . .	28 60
1922				Incidental Expenses	130 95
Oct. 31				Vaccine	15 55
				Analyses	10 00
				Supplies (printed forms)	16 07
				<i>Contagious Diseases:</i>	
				Diphtheria	155 50
				Other Diseases	10 00
				Smallpox	
				Typhoid	
				Epidemic Influenza . . .	
			Oct. 31	Balance on hand	1,836 90
		\$3,749 57			\$3,749 57

ANNUAL REPORT OF SUB-HEALTH DISTRICT OF
WESTMORLAND

YEAR ENDING OCTOBER 31, 1922.

To GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

F. J. DESMOND,
District Medical Health Officer.

C. E. NORTHRUP, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, Table I; City of Moncton, Table IA; Town of Sackville, IB; Town of Shediac, IC; Town of Sunny Brae, ID.

The cases of notifiable diseases and deaths therefrom are all tabulated and submitted in proper form with this report, not only for the entire district but also for the City of Moncton and the incorporated Towns of Sackville, Shediac and Sunny Brae.

It must be very gratifying to you, sir, to note the large falling off in notifiable diseases from that recorded in the year 1920-21. You will note from examination of tables for the present year and the year 1920-21 a general decrease covering the entire district, city, towns and rural portion, of more than fifty per cent.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).— There have been closed as unfit for habitation, five houses during the past year; these closures all took place in the City of Moncton; one of these houses has been put in proper condition, supplied with patent toilets, sewer connection, and a general renovation made and is now in use. The other four still remain closed. Along this line several more houses which were in very poor condition, under instructions of the Board the owners fearing closure have made extensive repairs and they are now habitable and much more comfortable.

WORK OF SANITARY INSPECTORS AND STAFF GENERALLY.— Our sanitary inspectors during the past year have done much aggressive work — a brief synopsis follows.

Moncton City.— Besides the general inspection in the early spring, there have been nine hundred and four (904) special inspections made; estimated distance travelled, three hundred (300) miles in connection with the examinations; twenty-nine (29) houses have been placarded and forty-one (41) fumigated.

Moncton Parish.— Two hundred and twenty-seven (227) inspections made by the sanitary inspector, who travelled two hundred and ten (210) miles, quarantined eight (8) houses and fumigated eleven (11).

Salisbury Parish.— Quarantined ten (10) houses; fumigated fifteen (15); made one hundred and sixteen (116) personal inspections and travelled three hundred and ten (310) miles.

Dorchester Parish.—Quarantined twelve (12) houses; disinfected eighteen (18); inspected fifty-eight (58) nuisances, gave notices to all, and travelled over six hundred miles. Dorchester parish as you may call to mind, was where the sixteen cases of smallpox were during the spring, and also being a very large parish, necessitates these long trips for the inspector.

Shediac Town and Parish.—The inspector made two hundred and sixty-five (265) annual inspections; also forty-seven (47) special inspections, giving notices; travelled one hundred and fifty miles; houses placarded and fumigated, twenty-one (21).

Sackville Parish.—We had some difficulty there, finding it necessary to replace the former inspector in midsummer; forty-seven (47) special inspections with notices given; one hundred (100) general inspections; many small matters attended to and rectified; eighteen houses quarantined and the same number fumigated before being released during the year.

Botsford Parish.—An entirely rural district. There were thirty-five (35) special inspections; notices were given in all cases. Travelled two hundred and thirty-seven miles; three houses quarantined — after recovery they were also fumigated.

Westmorland Parish.—Our inspectorship changed there; we regret to have to report that Mr. Copp, who had served the Board since 1919, died suddenly last spring. We engaged a new man and Doctor Desmond visited Port Elgin twice, giving the new inspector instructions. He reports eleven (11) special inspections with notices given; travelled between thirty and forty miles; four houses quarantined and later fumigated.

MEDICAL INSPECTION OF SCHOOLS.—Under the arrangement made in 1921, only the graded schools in cities and incorporated towns were examined during the spring term. In Moncton and Sackville, where there is a school nurse provided by the Victorian Order (such nurse having been put upon the staff of the Board as requested by the Chief Medical Officer), the nurses have co-operated with the school inspectors in a most efficient and praiseworthy manner, which also resulted in the filling in of a large percentage of the record cards in the schools of Moncton and Sackville. The Department of Health having taken charge of the medical school inspection service November first, we have nothing to report for the autumn term.

LEGAL PROCEEDINGS.—The Board has, during the past year, had five cases before the Police Magistrate — three for failure to remove nuisances as ordered by the Board and two for defective plumbing and drainage; in all these cases the defence requested an adjournment for a few days, which the Court granted. The order of the Board was carried out and the work completed to the satisfaction of the Board by the defendants, consequently the cases were discontinued and no fines were entered up by the Court.

VITAL STATISTICS.—This branch of the Department of Health work is published monthly by the Chief Medical Officer, consequently I am not asked to report on the results of the year, but it might not be amiss to note that while the total deaths recorded in Moncton were two hundred and forty-six (246) that forty-three (43) of these were hospital cases from outside the city, making the exceptionally low rate of 11.6 for the city's mortality.

GENERAL.—In looking over the year's work we are assured that the Board has made much advance along many lines. When you realize that there is a sanitary inspector in every parish and that these combined officers for Westmorland County have travelled about twenty-one hundred miles in the supervision of their work; that they have made twenty-three hundred and sixty-five (2365) general examinations in the line of their regular duties, besides nineteen hundred and forty-five (1945) special examinations where they have either served notices or given personal instructions, it can be easily understood that the Board is earnestly seeking to conduct their work in an efficient manner. In line with

the instructions laid down by the Department of Health, schoolhouses, slaughterhouses, bad drains, etc., have received much attention and there has been a marked improvement over former conditions, but we are not yet satisfied. This line of work requires constant attention to secure good results and maintain a proper standard.

As you will notice by the Plumbing Inspector's report in the City of Moncton, the Board, through special effort, after a legal service, has secured the removal of some thirty-three outside toilets and had proper sewer connections made and patent closets put in these thirty-three houses.

Upon the request of the City Council of Moncton, the Board of Health appointed a Food Inspector on March 29th, to devote his services to Moncton City, the Council assuming responsibility for the payment of his salary. Dr. A. T. McLean, V. S., was appointed and at once commenced a careful investigation of conditions where food is prepared, handled and sold. Dr. McLean is proving himself a very efficient and painstaking officer and has brought about a wonderful improvement in a few months; the results are more than justifying the appointment. A short report from him accompanies this report.

The public as they become better acquainted with the Board's work are naturally securing a wider vision of the aims of the Department of Health in the great work they have undertaken and, consequently, where the Board is aggressive in caring for the needs of the community, they increase in favor and criticism grows less.

I desire to place on record my very highest appreciation of my superior officers, Dr. George G. Melvin, Chief Medical Officer and Dr. F. J. Desmond, District Medical Health Officer. Dr. Melvin has always been most courteous in his treatment of all matters officially placed before him by myself, and our communications are voluminous. Dr. Desmond has proved a cheerful, willing and painstaking official, and in any emergency prompt to advise, and his many visits to Moncton and various parts of the county on special cases has conclusively proven the interest he takes in the districts under his supervision.

I have endeavored, as secretary, to incite the officers under my control to honest, earnest effort from day to day in all the various matters that come under their care; personally I have given of my best continuously and, while we have accomplished much, we shall continue to put forth our best efforts realizing, as we do, that to attain high standards in health work there must be continuous persevering effort on the part of those engaged, never resting satisfied with results obtained, but ever seeking a higher goal.

COMPOSITION OF BOARD AND STAFF.

Members of Board.—Dr. F. J. Desmond, D. M. H. O., Chairman, Newcastle; H. C. Charters (M), Moncton; W. A. Gass (M), Sackville; Dr. A. Sormany (G), Shediac; Simeon Melanson (M), Pre d'en Haut; Geo. O. Spencer (C), Moncton; Miss A. Burns (C), V. O. N., Moncton; Edgar P. Smith (C), Sackville; Walter S. Chapman (M), Port Elgin.

Secretary.—C. E. Northrup, Moncton.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Botsford (eastern).....	Mathew Murray.....	Little Shemogue.
Botsford (western).....	Patrick Cormier.....	Little Cape.
Dorchester.....	Camille Melanson.....	Pre d'en Haut.
Moncton, city.....	W. P. Kierstead, V.S.	Moncton.
Moncton, parish.....	C. A. Blakney.....	Sunny Brae.
Salisbury.....	Frank Sentell.....	Salisbury.
Shediac, town and parish.....	Clovis Basterache.....	Shediac.

SUB-DEPUTY REGISTRARS.

AREA	NAME	ADDRESS.
Botsford.....	Mathew Murray.....	Little Shemogue.
Dorchester.....	Camille Melanson.....	Pre d'en Haut.
Moncton.....	C. A. Blakney.....	Sunny Brae.
Moncton City.....	C. E. Northrup.....	Moncton.
Sackville.....	Wm. Patton.....	Sackville.
Sackville, t.....	J. W. Wheeler.....	Sackville.
Salisbury.....	Frank Sentell.....	Salisbury.
Shediac.....	Clovis Basterache.....	Shediac.
Shediac, t.....	Rene Doiron.....	Shediac.
Sunny Brae.....	H. M. Lambert.....	Sunny Brae.
Westmorland.....	Jas. A. Johnstone.....	Port Elgin.

MEDICAL SCHOOL INSPECTORS.

Botsford (part).....	Dr. H. B. Barnhill.....	Bayfield.
Dorchester.....	Dr. C. E. Gaudet.....	St. Joseph.
City Moncton (part).....	Dr. H. H. Coleman.....	Moncton.
City Moncton (part).....	Dr. F. A. Richard.....	Moncton.
Moncton Parish (part).....	Dr. L. N. Bourque.....	Moncton.
Moncton Parish (part).....	Dr. H. A. Jones.....	Moncton.
Shediac Parish (part).....	Dr. A. Sormany.....	Shediac.
Shediac and Botsford (part).....	Dr. H. Cyr.....	Cape Bald.
Shediac Parish (part).....	Dr. M. A. Oulton.....	Shediac.
Sackville.....	Dr. C. L. Gass.....	Sackville.
Salisbury.....	Dr. C. A. King.....	Petitcodiac.
Westmorland.....	Dr. H. C. B. Allen.....	Port Elgin.

REPORT OF FOOD INSPECTOR.

MONCTON, November 1, 1922.

TO THE WESTMORLAND SUB-DISTRICT BOARD OF HEALTH,
Moncton, N. B.

As Food Inspector for the City of Moncton, I beg to submit herewith a brief report of the work I have been doing for the past eight months.

Sanitary conditions have been supervised over all restaurants, lunch wagons, provision shops, fruit stands, ice cream plants, meat shops, etc., as well as street hawkers and peddlers of ice cream, fruit, etc. The city market has taken considerable time and the remodelling, cleaning and inauguration of the present system have been supervised continuously.

In addition, all slaughterhouses in the vicinity which were known to handle meat for the city have been inspected and closed as insanitary. Two were afterwards cleaned up and temporarily licensed by the Board of Health. At present we have no proper slaughterhouse.

Have also spent some time on the garbage question and have visited the piggeries of all garbage feeders, and have nothing to say in favor of continuation of the present unsatisfactory system. The hogs are as a rule kept under the filthiest of conditions and in many cases are slaughtered in the same pens or at least in the same rooms as they are kept in when alive.

The inspection of dairy farms has entailed a great deal of work and I have travelled in the work by car approximately 8,000 miles. The area under inspection at present extends to Shediac on the Shediac Road, Lakeburn on the Painsec Road, Memramcook on the

Dorchester Road and Pre d'en Haut on the Dover Road, McQuade's on McLaughlin Road, Irishtown to McDougall's Settlement, Upper and Lower Coverdale, Ammon, Hildegard, Stilesville, Indian Mountain, Lutz Mountain, Mont Eagle, Lewis Mountain, Salisbury, Havelock, Mannhurst, Petitcodiac, Anagance, Penobsquis, Sussex, Plumweseep and Waterford.

There were eight prosecutions in court in connection with sale of impure food and fruit. Three fines were imposed, in cases of first offense, warnings given, and one or two cases are pending.

The following were condemned and destroyed. Poultry, 50, decomposed; butter, 200 pounds (approximately) dirty and rancid; fruit, 9 baskets, decomposed; lambs, 3 carcasses, cysts; lambs' livers, 75, cysts and dirty; beef liver, 25, dirty; tongues, 50, dirty and decomposed; beef, 3 carcasses, tuberculous; pork, 1 carcass sour, 8 tuberculous, 1 abscess; portions pork, half barrel, sour; fish, half barrel, decomposed; beef, two quarters, decomposed; beef, one quarter, adhesions.

Bakeries have been frequently inspected, new floors have been placed where needed, screens have been provided for windows and doors, plumbing has been improved, interiors cleaned and whitened. Delivery wagons have been inspected and proper wrapping or protection for bread and pastry has been insisted on.

Dairies and Milk.— During the summer, the work of remodelling stables and dairies has been supervised. Barnyards have been cleaned up and all holes or depressions filled in to prevent the accumulation of stagnant water or other decomposed material, and many old and useless buildings have been torn down. The repairs and additions made in dairies and on dairy farms supplying the City of Moncton with milk will amount to, for this year, approximately \$50,000.00. All stables have been adequately lighted, whitewashed and ventilated. To date, 70 herds have been tested for tuberculosis, and out of that number 143 cattle have been condemned. Of this number 102 have been slaughtered under Government inspection and the disease demonstrated to the satisfaction of all persons interested who cared to visit the abattoir. With very few exceptions, the farmers and dairymen have been anxious to have the test applied to their herds and have given every assistance. The Dominion Government has supplied us with five of the best inspectors in the service to assist in the eradication of tuberculosis and they have given splendid satisfaction. We now have demands from a far larger number of producers for the test than we are able to attend to. The work of testing the licensed herds will be completed in about two weeks.

In connection with the inspection of food, I would make the following recommendations:

1. That the regulations relating to the production and handling of milk and cream be strictly enforced throughout the county and that where a food inspector is not available, the sanitary inspector be instructed to report on the sanitary conditions before a permit to produce or vend milk is granted.

2. That all slaughterhouses be licensed and that the sanitary inspectors of each district certify that the slaughterhouses conform to the required standard before a license is issued.

3. The large number of tuberculous cattle found in dairy herds indicates that unscrupulous butchers have been in the past killing these animals and passing them for food. It is therefore recommended that any person who is suspected of being unreliable or who is known to have disposed of tuberculous animals as food without first having the carcass approved of, be not granted a license to conduct or maintain a slaughterhouse.

4. That all ice cream wagons and all stores, shops, etc., be required to take out a license and that proper sanitary conditions be complied with before such license is granted.

5. That sanitary inspectors be authorized to visit frequently all garbage fed piggeries and see that they are kept clean and free from obnoxious odors, and also see that a proper slaughterhouse is provided on the premises for the killing and dressing of these hogs unless they are sold for immediate slaughter at an abattoir.

In conclusion, gentlemen, I wish to thank you for the assistance which you have given me in my work, more particularly since the formation of the city branch of the Board and the addition of a lady to its membership — she has been a great deal of help to me and has seen and reported many conditions which might have escaped a less vigilant eye.

Respectfully submitted,
A. T. McLEAN, V.S.,
Food Inspector for City of Moncton.

REPORT OF PLUMBING INSPECTOR.

MONCTON, N. B., November 14, 1922.

TO SUB-DISTRICT BOARD OF HEALTH
OF WESTMORLAND.

SIRS:
I have the honor to report for the year ending October 31st in respect to the plumbing and drainage of buildings in this city. The following tabulated statement will show the nature and extent of the work supervised by this department during the year.

No.	Classification of Buildings	Work	W. C.	Sinks	Baths	Basins	Tubs	Urinals	Shower Baths	Fountains	Permits	Inspections
1	Single Dwellings.....	New	89	86	81	82	14				85	130
2	Double Dwellings.....	New	74	74	74	74	8				37	65
3	Tenement Houses.....	New	19	19	19	19					5	12
4	Combined Stores and Dwellings	New	29	23	16	24	1				8	15
5	Schools.....	New	39	2		15		20	5	6	2	14
6	Children's Home Addition.....	New	3	2	3	5					1	3
7	Churches.....	New	4	1		4	1				1	7
8	Clubs.....	New	4	1							2	2
9	Office Buildings.....	New	8		4			2			2	9
10	Stores.....	New	4	4		1					5	10
11	Warehouses.....	New	2			1					2	5
12	Garages.....	New	2	1		1					2	2
13	Lunch Cars.....	New		2							2	2
14	Banks.....	Remodell'd	2			2					3	3
15	Combined Stores and Dwellings	Remodell'd	17	18		8	2				17	30
16	Dwellings.....	Remodell'd	32	41	40	36	6				59	130
17	Old Dwellings in which plumbing was installed by order of Board of Health.....	New	33	37	4	4					29	60
	Total.....		361	311	250	276	32	22	6	6	262	549

Respectfully submitted,
W. BINGHAM,
Plumbing Inspector.

Table No. I.

ENTIRE SUB-DISTRICT OF WESTMORLAND.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	33	2	6.0	3.6
Scarlet Fever	26			
Typhoid	23	1	4.4	1.8
Measles	9			
Smallpox	16			
Tuberculosis	12	12	100.0	21.6
Epidemic Influenza				
Infantile Paralysis	3	3	100.0	5.4
Other Notifiable Diseases	3	3	100.0	5.4
Total	125	21	16.8	37.8

Table No. IA.

CITY OF MONCTON.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	9			
Scarlet Fever	9			
Typhoid	8			
Measles	3			
Smallpox				
Tuberculosis	8	8	100.0	44.0
Epidemic Influenza	3	3	100.0	16.5
Infantile Paralysis				
Other Notifiable Diseases	3	3	100.0	16.5
Total	43	14	32.5	77.0

Table No. IB.

TOWN OF SACKVILLE.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	4	1	25.0	45.7
Scarlet Fever.....	14			
Typhoid.....	1			
Measles.....				
Smallpox.....				
Tuberculosis.....	1	1	100.0	45.7
Epidemic Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....				
Total.....	20	2	10.0	91.4

Table No. IC.

TOWN OF SHEDIAC.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	3			
Scarlet Fever.....	1			
Typhoid.....	1			
Measles.....				
Smallpox.....				
Tuberculosis.....	2	2	100.0	98.6
Epidemic Influenza.....				
Infantile Paralysis.....				
Other Notifiable Diseases.....				
Total.....	7	2	28.6	98.6

Table No. Id.

TOWN OF SUNNY BRAE.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	1			
Scarlet Fever	1			
Typhoid	1			
Measles				
Smallpox				
Tuberculosis	1	1	100.0	83.3
Epidemic Influenza				
Infantile Paralysis				
Other Notifiable Diseases				
Total	4	1	25.0	83.3

Table No. II.

ANNUAL FINANCIAL RETURN.
SUB-DISTRICT BOARD OF WESTMORLAND.
Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1921		
Nov. 1	Balance on hand 1920-21.		1922-	Medical School Inspec-	
to	From Municipality	\$10,000 00		tion	\$534 83
1922	Fees			Sub-Deputy Registrars . .	600 00
Oct. 31				Salaries	5,150 00
				Postage and Stationery . .	82 60
				Incidental Expenses . . .	231 40
				Vaccine	170 25
				Analyses	20 00
				Supplies (printed forms)	86 00
				General Expenses	295 00
				Contagious Diseases:	
				Typhoid	979 70
				Bills Payable November	
				1, 1922	850 22
				Balance on hand	1,000 00
		\$10,000 00			\$10,000 00

ANNUAL REPORT OF SUB-HEALTH DISTRICT OF YORK

YEAR ENDING OCTOBER 31, 1922.

TO GEO. G. MELVIN, M.D.,
Chief Medical Officer,
FREDERICTON, N. B.

I beg to submit the following Annual Report, for transmission to the Hon. the Minister of Health, for the year 1921-22.

J. A. WADE,
District Medical Health Officer.

J. S. SCOTT, *Secretary.*

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.— Entire Sub-District, see Table I.

CLOSURE OF HOUSES (Sec. 32, Public Health Act).— None.

WORK OF SANITARY INSPECTORS AND STAFF, GENERALLY.— *Parishes Bright and Douglas.*— From this area, only one (1) case of typhoid fever has been reported during the past year. Report of our sanitary inspector shows that all conditions are good.

Parishes of Canterbury and North Lake.— Inspector reports sanitary conditions satisfactory. A few cases of diphtheria have been reported from this area.

Parishes of Dumfries, Queensbury and Southampton.— Nine (9) cases of scarlet fever have been reported in this area during the past year. Conditions in the villages of Millville, Hawkshaw and Pinder and the balance of his area were never in a better condition.

Parish of McAdam.— Three (3) cases of smallpox and a number of cases of scarlet fever have been reported, but the cases were handled in such a satisfactory manner that they were not allowed to spread.

Parishes of Stanley, St. Mary's and New Maryland.— Sanitary conditions very satisfactory.

Parishes Prince William, Manners-Sutton and Kingsclear.— This area, with the exception of a few cases of scarlet fever, has been reported by the sanitary inspector to be in a very good condition.

Town of Marysville.— Sanitary inspector reports that sanitary conditions have never been better than during the year 1922.

Town of Devon.— Reports during the past year have been very favorable, with the exception of a few cases of scarlet fever. Sanitary condition satisfactory.

Napadogan.— Since the Board has created this area (during the year 1922) there have been no diseases reported and everything is in a satisfactory condition.

All the sanitary inspectors' books (D-2), for use in connection with annual inspection according to regulation 142 (Nuisances), have been properly filled in and filed at this office for the year 1922, showing that they all carried out their respective duties.

COMPOSITION OF BOARD AND STAFF.

Members of Board.— Dr. J. A. Wade, D. M. H. O., Chairman, Fredericton; W. B. Dayton (G), Fredericton; Alexander Brewer (M), Burt's Corner; Dr. B. H. Dougan (M), Harvey Station; Dr. M. L. Jewett (M), Millville; George Boulter (M), Stanley.

Secretary.— J. S. Scott, Fredericton.

SANITARY INSPECTORS.

AREA.	NAME.	ADDRESS.
Bright, Douglas	Beverly Lawrence	Burt's Corner.
Canterbury, North Lake	Hugh W. Smith	Canterbury Station.
Dumfries, Queensbury, Southamp- ton	E. C. McDonald	Pinder.
McAdam	H. W. Wilson	McAdam.
Stanley, St. Mary's and New Maryland	Ernest Bell	Taymouth.
Prince William, Manners-Sutton and Kingsclear	Benj. Robinson	Harvey Station.
Marysville	Samuel Stafford	Marysville.
Devon	Leo F. Hayes	North Devon.
Napadogan	Walter Mersereau	Napadogan.

SUB-DEPUTY REGISTRARS.

Bright	Mrs. E. M. Jewett	Burt's Corner.
Canterbury	Wm. H. Scott	Canterbury Station.
Douglas	L. B. Johnston	Nashwaaksis.
Dumfries	Miss A. Hilda Allen	Hawkshaw.
Devon	William Jaffrey	North Devon.
Kingsclear	B. W. Fox	R. R. 6, Fredericton.
McAdam	Miss G. J. Hay	McAdam.
Manners-Sutton	Miss I. A. Davis	Harvey Station.
Marysville	S. Stafford, Jr.	Marysville.
New Maryland	Miss D. G. Haining	R. R. 5, Fredericton.
North Lake	Mrs. A. G. VanTassel	North Lake.
Prince William	Mrs. O. B. Morris	Lake George.
Queensbury	I. C. Morrison	Lower Southampton.
St. Mary's	Ernest Bell	Taymouth.
Southampton	Frank McFarlane	Southampton.
Stanley	D. J. Griffiths	Stanley.

MEDICAL SCHOOL INSPECTORS.

Bright, Douglas (part)	Dr. O. E. Morehouse	Upper Keswick.
Bright, Kingsclear (part)	Dr. B. W. Robertson	Mouth Keswick.
Canterbury, North Lake (part)	Dr. W. L. Turner	Meductic.
Prince William, Queensbury (part)	Dr. W. A. McKenzie	Prince William.
McAdam	Dr. A. E. Gardiner	McAdam Junction.
New Maryland, St. Mary's and Marysville	Dr. B. M. Mullin	North Devon.
Southampton	Dr. M. L. Jewett	Millville.
Stanley	Dr. D. R. Moore	Stanley.

FINANCIAL REPORT.— Table II.

You will note by the financial statement a credit balance of \$3,966.23, so it will not be necessary to ask the county for a grant of \$6,000.00 as heretofore. We feel that the amount to be asked for to carry on the work of the Board for 1923 will be \$4,000.00 instead of \$6,000.00.

Table No. I.

ENTIRE SUB-DISTRICT OF YORK.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	53			
Scarlet Fever	39			
Typhoid	5			
Measles				
Smallpox	3			
Tuberculosis	1	1	100.0	4.1
Epidemic Influenza				
Infantile Paralysis	1	1	100.0	4.1
Other Notifiable Diseases				
Total	102	2	1.96	8.2

Table No. IA.

TOWN OF DEVON.

CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.

YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria	5			
Scarlet Fever	1			
Typhoid				
Measles				
Smallpox				
Tuberculosis				
Epidemic Influenza				
Other Notifiable Diseases				
Total	6			

Table No. 1B.

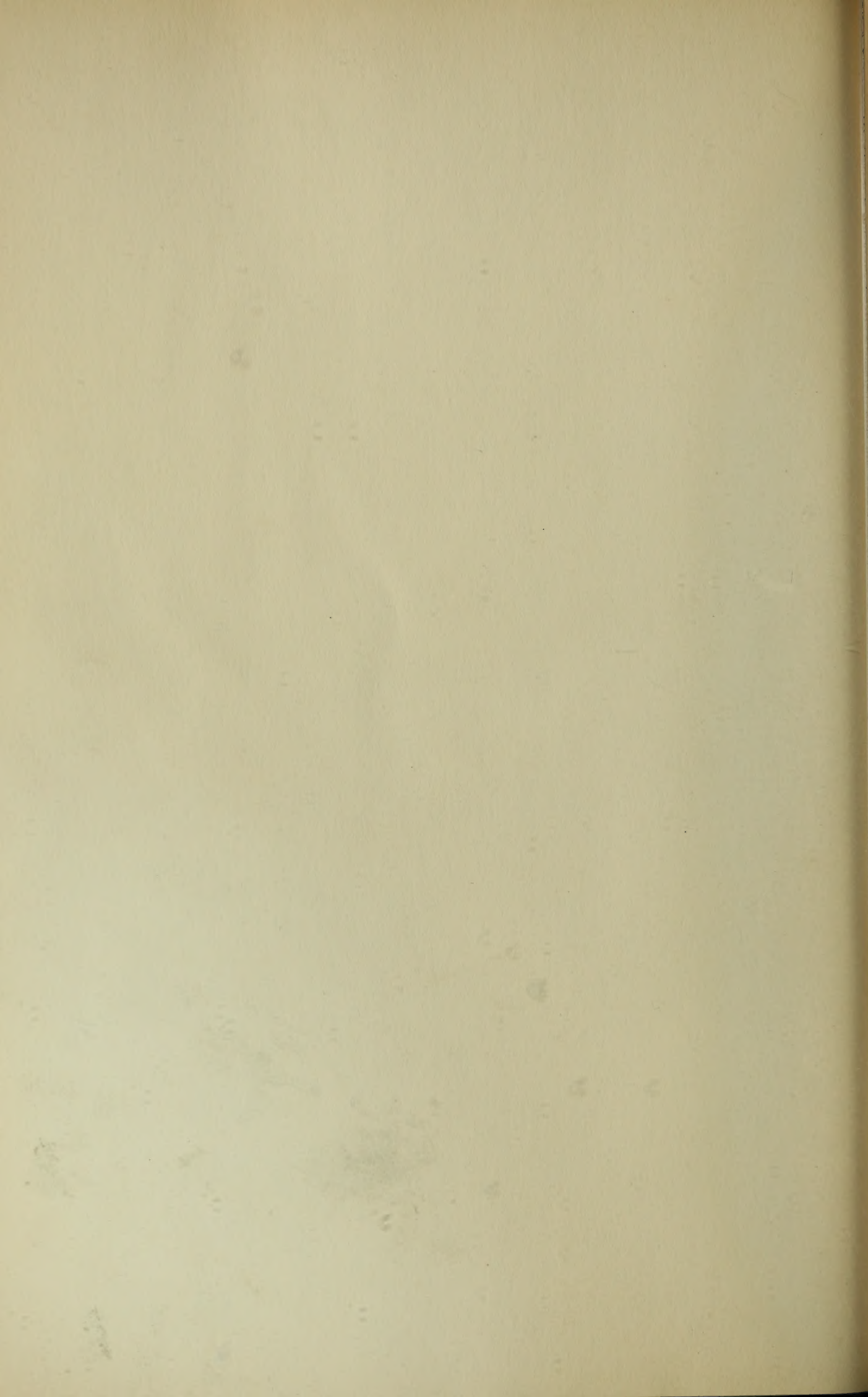
TOWN OF MARYSVILLE.
CASES OF AND DEATHS FROM NOTIFIABLE DISEASES.
YEAR 1921-22.

DISEASE	No. of Cases	No. of Deaths	Per Cent. of Deaths to Cases	Deaths Per 100,000 Population
Diphtheria.....	4	.....	.....	.....
Scarlet Fever.....	2	.....	.....	.....
Typhoid.....	.....	.....	.....	.....
Measles.....	.....	.....	.....	.....
Smallpox.....	.....	.....	.....	.....
Tuberculosis.....	.....	.....	.....	.....
Epidemic Influenza.....	.....	.....	.....	.....
Other Notifiable Diseases.....	.....	.....	.....	.....
Total.....	6	.....	.....	.....

Table No. II.

ANNUAL FINANCIAL RETURN.
SUB-HEALTH DISTRICT OF YORK.
Year Ending October 31, 1922.

DATE	RECEIPTS	AMOUNT	DATE	EXPENDITURES	AMOUNT
1921			1921		
Dec 31	Balance on hand from		Nov. 1	Salaries.....	\$4,900 00
to	1921.....	\$3,600 00		Postage and Stationery..	16 87
1922	From Municipality.....	6,000 00		Incidental Expenses....	219 42
Oct. 31				Vaccine.....	109 15
				Analyses.....	51 71
			to	Supplies (printed forms)	37 12
				Contagious Diseases:	
				Smallpox.....	267 50
				Diphtheria.....	32 00
			1922	Balance on hand.....	274 15
			Oct. 31	Balance due Board.....	3,966 23
		\$9,600 00			
					\$9,600 00



RA
185
N5B12
1920/21-
1921/22
cop.2

New Brunswick. Dept. of
Health
Report of the Deputy
Minister

Hygiene

PLEASE DO NOT REMOVE
CARDS OR SLIPS FROM THIS POCKET

UNIVERSITY OF TORONTO LIBRARY

V95

